

ENGINE

EQUIP NUM: 02915514

SERIAL NUMBER: CCA02310

CAT 140H

No Action Required

Interp By: Barry Swindells
Interpreted On: 18-Dec-23

T010-53349-7903

SAMPLE SHIP TIME (days) : 0

JOSH HUTCHINSON

RECEIVED DATE: 15-Dec-23

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.
TO DEVELOP A TREND. MORE SAMPLES NEEDED

SAMPLE INFORMATION



Sampled Date	15-Dec-23
Sample Id	T010-53349-7903
Lab Date	15-Dec-23
Meter [Hr]	14300
Comp Meter [Hr]	14300
Meter On Fluid	330
Fluid Brand	
Fluid Weight	
Fluid Type	
Fluid Change	U
Filter Change	U
Total Fluid Added	0

PREVIOUS SAMPLE

For additional sample history, go to: [S.O.S WEB](#)

CONDITION / CONTAMINATION

15-Dec-23

VISCOSITY (CENTISTOKES) ASTM D445

V100	Viscosity at 100 C	12.62
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VISCOSITY (CENTISTOKES) ASTM D445

V40	Viscosity at 40 C	85.42
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VISCOSITY INDEX

VI	Viscosity Index	145
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WEAR LEVELS / ADDITIVES

15-Dec-23

ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]

Cu	Copper	3
Fe	Iron	11
Cr	Chromium	0
Al	Aluminum	1
Pb	Lead	0
Sn	Tin	0
Si	Silicon	2
Na	Sodium	1
K	Potassium	1
Mo	Molybdenum	3
Ni	Nickel	0
Ag	Silver	0
Ti	Titanium	0
V	Vanadium	0
Mn	Manganese	0
Cd	Cadmium	0
Ca	Calcium	1052
P	Phosphorus	973
Zn	Zinc	1275
Mg	Magnesium	950
Ba	Barium	0
B	Boron	2

INFRARED (UFM) ASTM E2412

ST	Soot	0
OXI	Oxidation	8
SUL	Sulfur Products	15
NIT	Nitration	0

WATER - HOTPLATE

W	Water	N
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FUEL DILUTION (SCREEN)

F	Fuel	N
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FUEL DILUTION (%) ASTM D7593

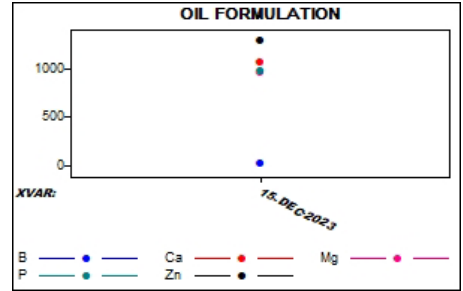
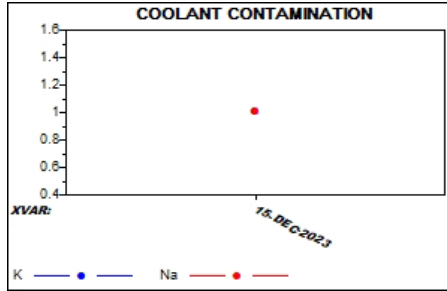
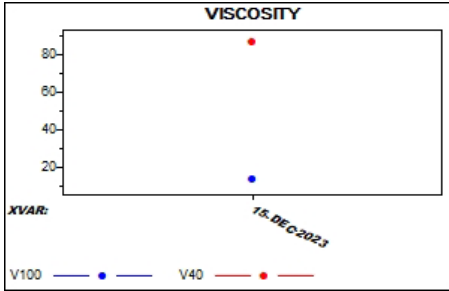
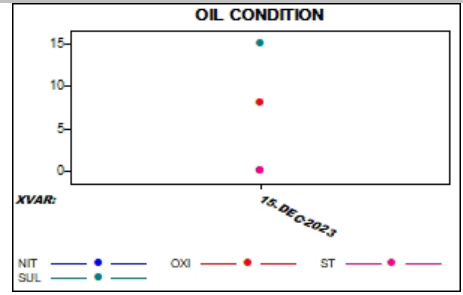
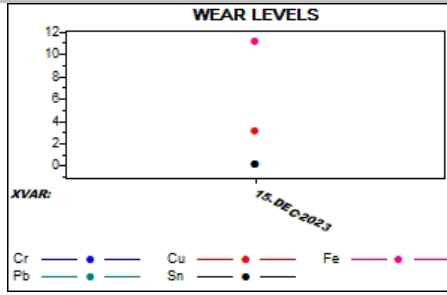
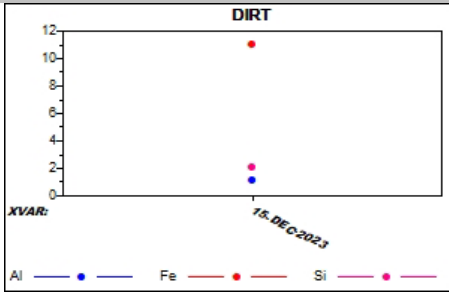
PFc	Percent Fuel	2.82
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CLEANLINESS

15-Dec-23

FERROUS DEBRIS

PQI	PQ Index	8
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Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJIVrs>

TRANSMISSION DIFF

EQUIP NUM: 02915514

SERIAL NUMBER: CCA02310

CAT 140H

No Action Required

Interp By: Barry Swindells

Interpreted On: 18-Dec-23

T010-53349-7912

SAMPLE SHIP TIME (days) : 0

JOSH HUTCHINSON

RECEIVED DATE: 15-Dec-23

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL. MORE SAMPLES NEEDED TO DEVELOP A TREND.

SAMPLE INFORMATION

Sampled Date	15-Dec-23
Sample Id	T010-53349-7912
Lab Date	15-Dec-23
Meter [Hr]	14130
Comp Meter [Hr]	14130
Meter On Fluid	330
Fluid Brand	CAT
Fluid Weight	
Fluid Type	
Fluid Change	U
Filter Change	U
Total Fluid Added	0

PREVIOUS SAMPLE

For additional sample history, go to: [S.O.S WEB](#)

CONDITION / CONTAMINATION

15-Dec-23		
VISCOSITY (CENTISTOKES) ASTM D445		
V40	Viscosity at 40 C	91.56

INFRARED (UFM) ASTM E2412

OXI	Oxidation	4
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WATER - HOTPLATE

W	Water	N
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WEAR LEVELS / ADDITIVES

15-Dec-23

ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]		
Cu	Copper	3
Fe	Iron	8
Cr	Chromium	0
Al	Aluminum	4
Pb	Lead	0
Sn	Tin	0
Si	Silicon	3
Na	Sodium	2
K	Potassium	0
Mo	Molybdenum	0
Ni	Nickel	0
Ag	Silver	0
Ti	Titanium	0
V	Vanadium	0
Mn	Manganese	0
Cd	Cadmium	0
Ca	Calcium	3064
P	Phosphorus	951
Zn	Zinc	1301
Mg	Magnesium	9
Ba	Barium	0
B	Boron	0

CLEANLINESS

15-Dec-23

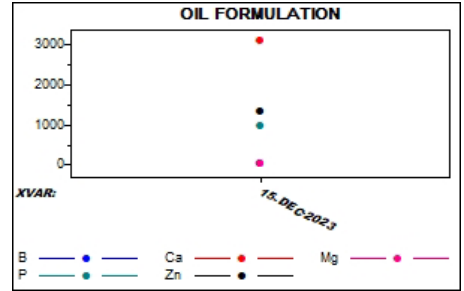
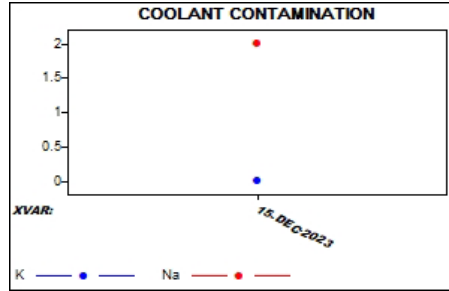
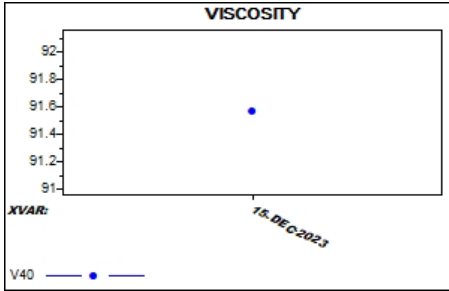
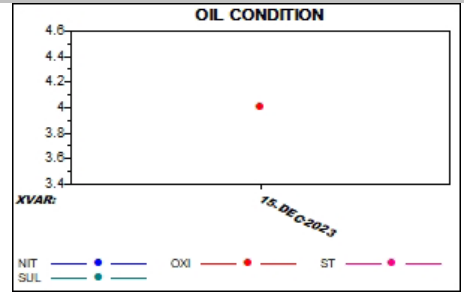
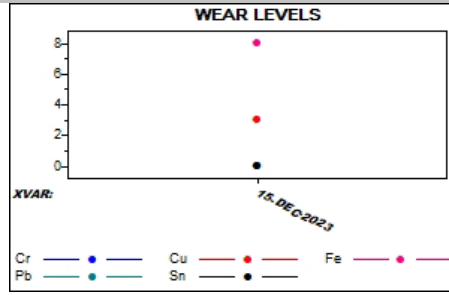
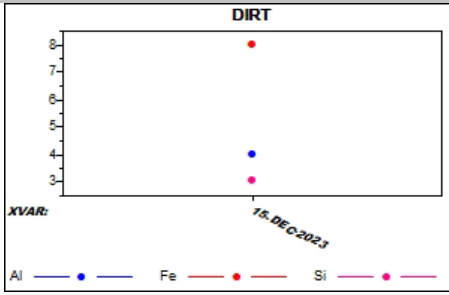
PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406		
ISO	ISO Code Rating	21/18/15
4µ	4µ	19075
6µ	6µ	2380
14µ	14µ	196

FERROUS DEBRIS

PQI	PQ Index	0
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VISUAL INSPECTION

DEP	DEP	A1
DEP2	DEP2	DEB



Report Comment

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