

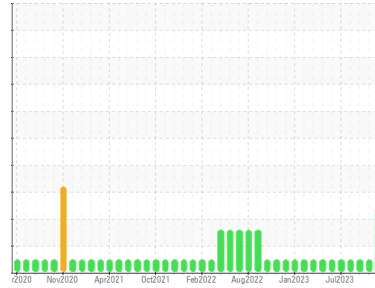


OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

Area
ENGINE ROOM 2ND DECK
 Machine Id
55-K-6140D INSTRUMENT & G/S AIR (S/N Maint Plan 22480)
 Component
4 Compressor
 Fluid
COMPRESSOR OIL (PAG) ISO 46 (114 LTR)



DIAGNOSIS

Recommendation

We advise that you check for visible metal particles in the oil. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

Light concentration of visible metal present.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PP	PP	PP
Sample Date	Client Info	27 Nov 2023	14 Nov 2023	11 Sep 2023
Machine Age	hrs Client Info	0	0	0
Oil Age	hrs Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	0	0
Iron	ppm ASTM D5185(m) >50	<1	1	1
Chromium	ppm ASTM D5185(m) >5	0	0	0
Nickel	ppm ASTM D5185(m)	0	<1	<1
Titanium	ppm ASTM D5185(m)	1	0	0
Silver	ppm ASTM D5185(m)	0	<1	<1
Aluminum	ppm ASTM D5185(m) >15	<1	0	0
Lead	ppm ASTM D5185(m) >65	<1	1	<1
Copper	ppm ASTM D5185(m) >65	4	3	3
Tin	ppm ASTM D5185(m) >10	0	0	0
Antimony	ppm ASTM D5185(m)	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 2	<1	1	2
Barium	ppm ASTM D5185(m) 525	700	557	615
Molybdenum	ppm ASTM D5185(m) 10	0	0	0
Manganese	ppm ASTM D5185(m)	0	0	0
Magnesium	ppm ASTM D5185(m) 5	2	2	2
Calcium	ppm ASTM D5185(m) 10	3	4	4
Phosphorus	ppm ASTM D5185(m) 250	0	<1	2
Zinc	ppm ASTM D5185(m) 100	16	26	25
Sulfur	ppm ASTM D5185(m) 400	242	243	253
Lithium	ppm ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

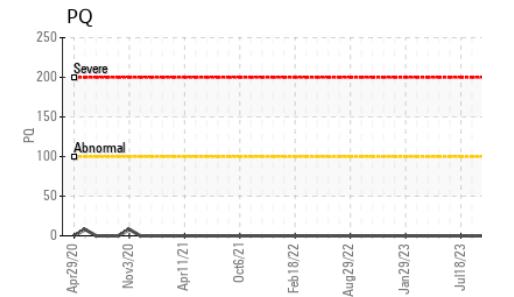
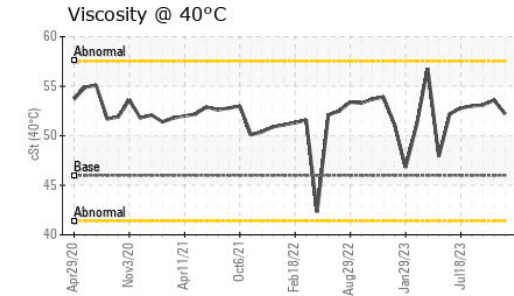
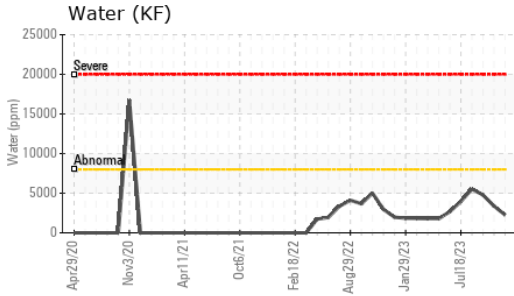
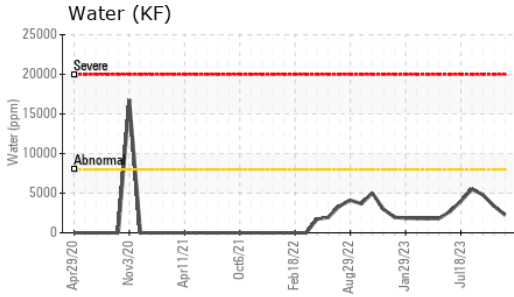
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >35	2	2	3
Sodium	ppm ASTM D5185(m)	29	47	47
Potassium	ppm ASTM D5185(m) >20	4	4	4
Water	% ASTM D6304* >0.8	0.226	0.336	0.477
ppm Water	ppm ASTM D6304* >8000	2264	3368.3	4777.2

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*	0.13	0.45	0.59



OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	▲ VLITE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	▲ VLITE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.8	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	46	52.2	53.6	53.1

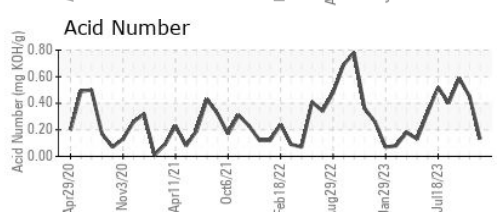
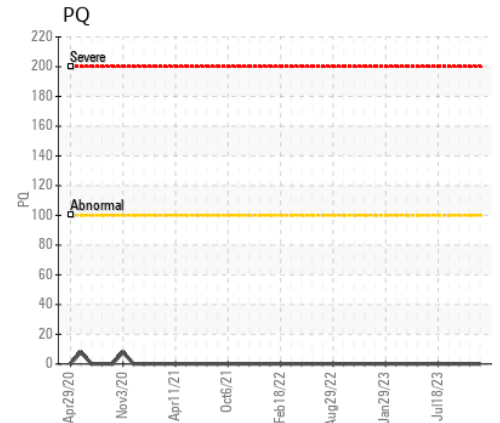
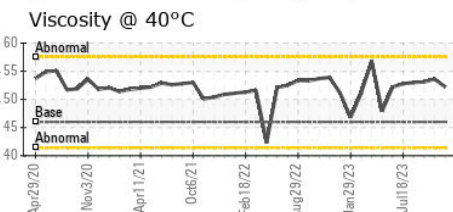
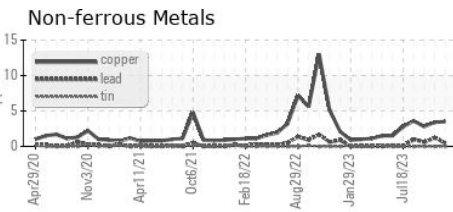
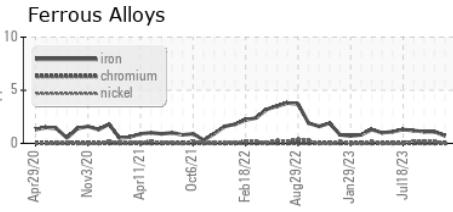
SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

Bottom

PrtFilter

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 HUSKY SEA ROSE /AKER SOLUTIONS
 Sample No. : PP **Recieved** : 09 Jan 2024 PO BOX 20
 Lab Number : 02607516 **Diagnosed** : 12 Jan 2024 ST. JOHN'S, NL
 Unique Number : 5708602 **Diagnostician** : Kevin Marson CA A1C 6C9
 Test Package : IND 2 (Additional Tests: BottomAnalysis, FILTERPATCH, KF) Contact: Maintenance Supervisor
 maintsuper.searose@huskyenergy.ca

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

T: x:
 F: x: