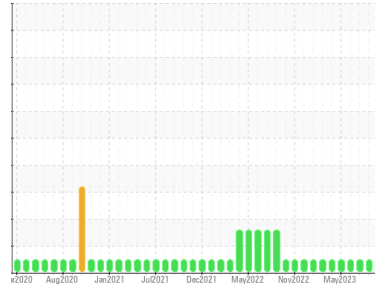




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



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

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### 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 condition of the oil is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PP</b>	PP	PP
Sample Date	Client Info	<b>11 Sep 2023</b>	23 Aug 2023	18 Jul 2023
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

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

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 2	<b>2</b>	2	<1
Barium	ppm ASTM D5185(m) 525	<b>615</b>	664	770
Molybdenum	ppm ASTM D5185(m) 10	<b>0</b>	0	0
Manganese	ppm ASTM D5185(m)	<b>0</b>	0	0
Magnesium	ppm ASTM D5185(m) 5	<b>2</b>	3	3
Calcium	ppm ASTM D5185(m) 10	<b>4</b>	9	5
Phosphorus	ppm ASTM D5185(m) 250	<b>2</b>	2	2
Zinc	ppm ASTM D5185(m) 100	<b>25</b>	37	31
Sulfur	ppm ASTM D5185(m) 400	<b>253</b>	258	251
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

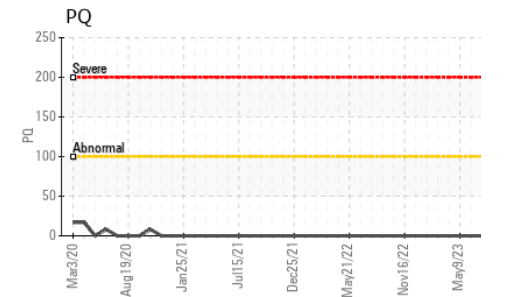
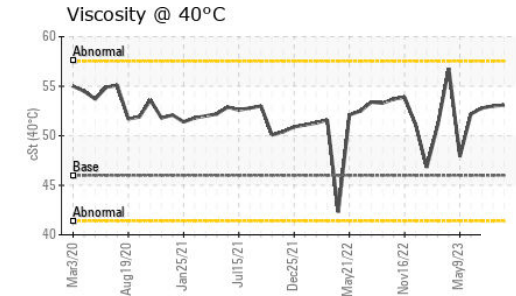
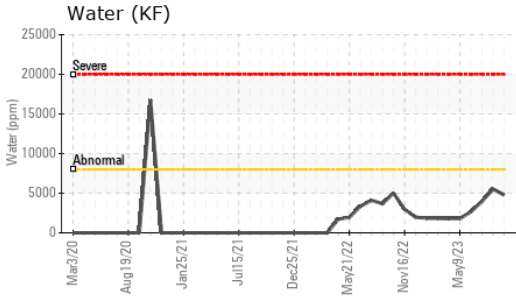
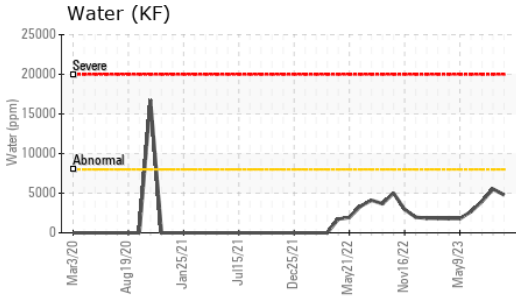
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >35	<b>3</b>	2	2
Sodium	ppm ASTM D5185(m)	<b>47</b>	44	42
Potassium	ppm ASTM D5185(m) >20	<b>4</b>	5	4
Water	% ASTM D6304* >0.8	<b>0.477</b>	0.552	0.395
ppm Water	ppm ASTM D6304* >8000	<b>4777.2</b>	5523.1	3956.9

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*	<b>0.59</b>	0.40	0.52



# OIL ANALYSIS REPORT

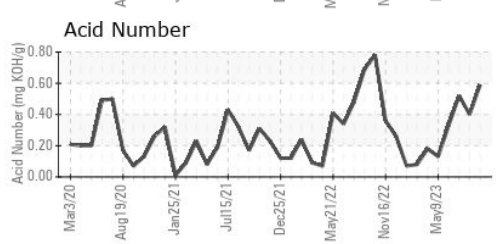
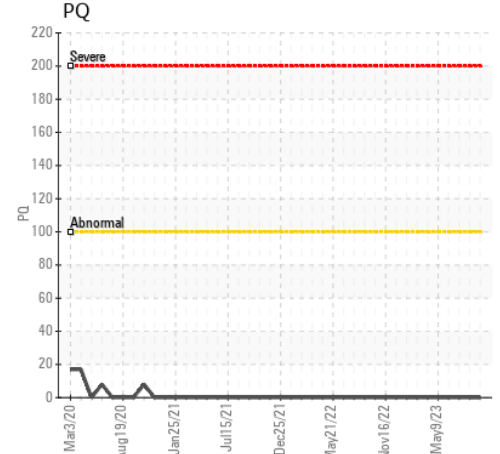
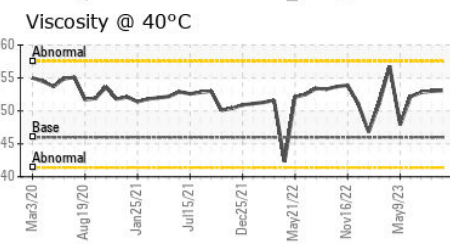
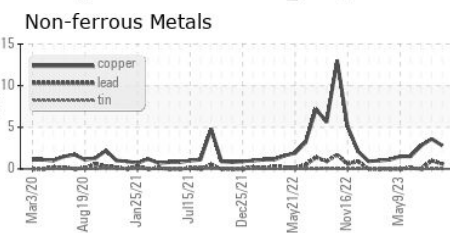
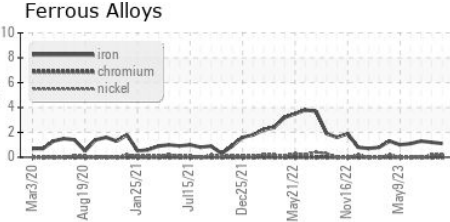


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	VLITE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	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	53.1	53.0	52.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 HUSKY SEA ROSE /AKER SOLUTIONS  
**Sample No.** : PP **Received** : 24 Oct 2023  
**Lab Number** : 02591459 **Diagnosed** : 26 Oct 2023  
**Unique Number** : 5668538 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )  
 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.

PO BOX 20  
 ST. JOHN'S, NL  
 CA A1C 6C9  
 Contact: Maintenance Supervisor  
 maintsuper.searose@huskyenergy.ca  
 T: x:  
 F: x: