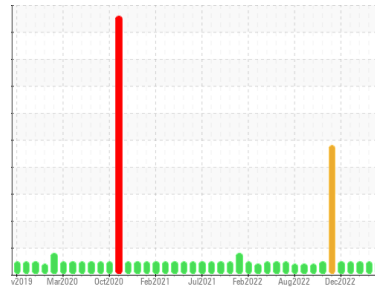




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**M10 [61097218]**  
 Machine Id  
**35-K-1540 FLASH GAS COMPRESSOR (35-T-1550) (S/N Maint Plan 22480)**  
 Component  
**Compressor**  
 Fluid  
**MOBIL DTE 846 (3823 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

### 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>24 Apr 2023</b>	20 Mar 2023	29 Jan 2023
Machine Age	hrs Client Info	<b>0</b>	0	0
Oil Age	hrs Client Info	<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
Iron	ppm ASTM D5185(m) >50	<b>&lt;1</b>	0	0
Chromium	ppm ASTM D5185(m) >5	<b>0</b>	0	0
Nickel	ppm ASTM D5185(m)	<b>0</b>	0	<1
Titanium	ppm ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm ASTM D5185(m) >15	<b>0</b>	0	0
Lead	ppm ASTM D5185(m) >65	<b>0</b>	0	0
Copper	ppm ASTM D5185(m) >65	<b>0</b>	0	0
Tin	ppm ASTM D5185(m) >10	<b>0</b>	0	0
Antimony	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	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)	<b>0</b>	0	0
Barium	ppm ASTM D5185(m)	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185(m)	<b>0</b>	0	0
Manganese	ppm ASTM D5185(m)	<b>0</b>	0	0
Magnesium	ppm ASTM D5185(m)	<b>&lt;1</b>	0	0
Calcium	ppm ASTM D5185(m)	<b>0</b>	0	0
Phosphorus	ppm ASTM D5185(m)	<b>1258</b>	1244	1168
Zinc	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Sulfur	ppm ASTM D5185(m)	<b>51</b>	43	47
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

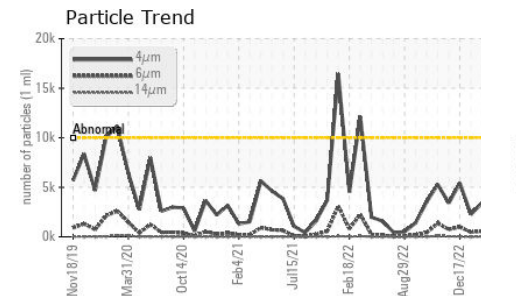
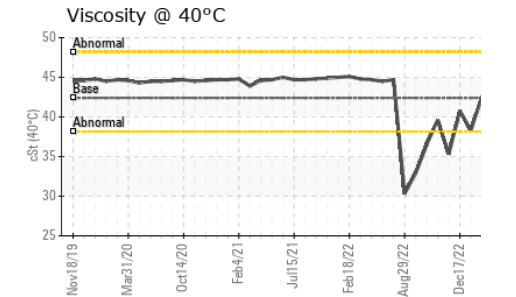
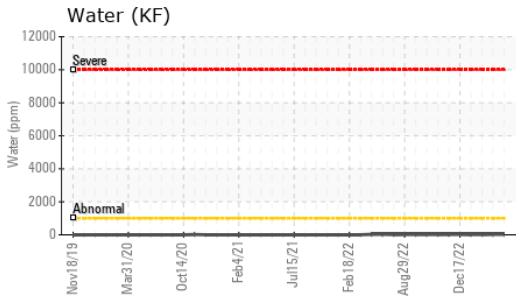
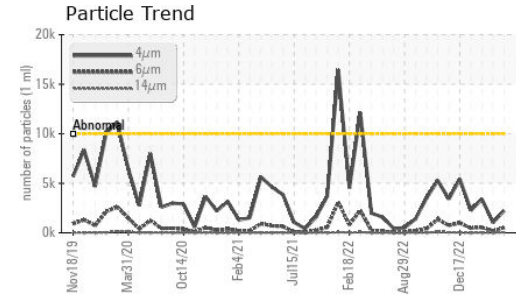
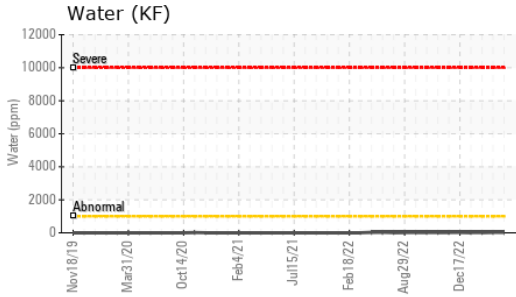
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >35	<b>&lt;1</b>	<1	<1
Sodium	ppm ASTM D5185(m)	<b>0</b>	0	<1
Potassium	ppm ASTM D5185(m) >20	<b>0</b>	0	0
Water	% ASTM D6304* >0.1	<b>0.002</b>	0.003	0.001
ppm Water	ppm ASTM D6304* >1000	<b>22.8</b>	29.9	12.1

## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>2223</b>	1038	3386
Particles >6µm	ASTM D7647 >2500	<b>502</b>	186	540
Particles >14µm	ASTM D7647 >320	<b>55</b>	8	18
Particles >21µm	ASTM D7647 >80	<b>25</b>	3	6
Particles >38µm	ASTM D7647 >20	<b>2</b>	0	0
Particles >71µm	ASTM D7647 >4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >20/18/15	<b>18/16/13</b>	17/15/10	19/16/11



# OIL ANALYSIS REPORT

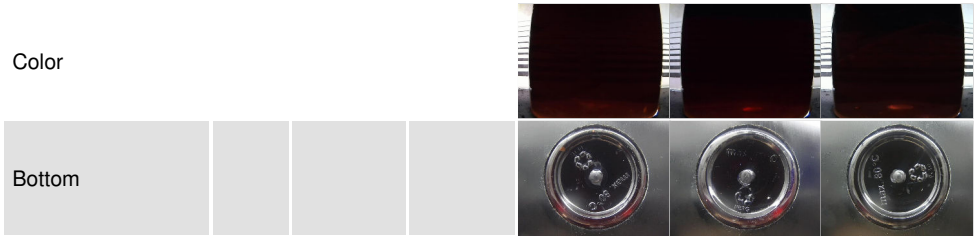


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.11</b>	0.10	0.10

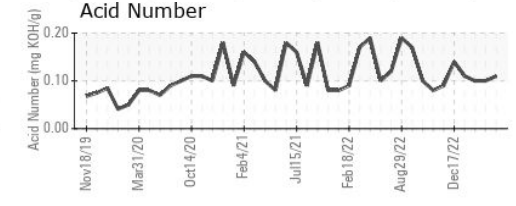
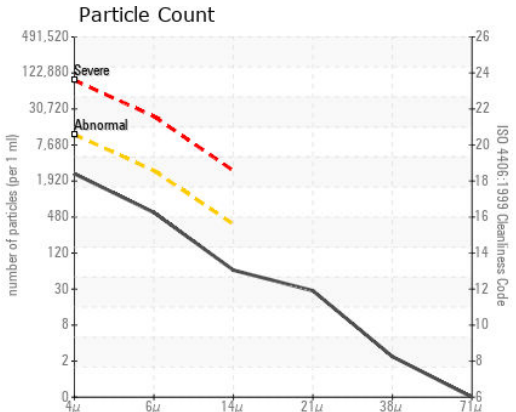
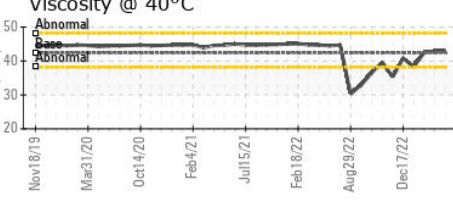
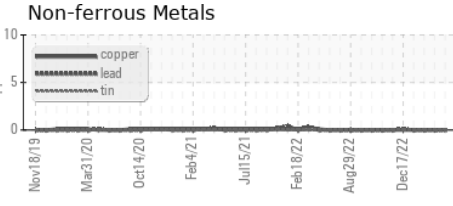
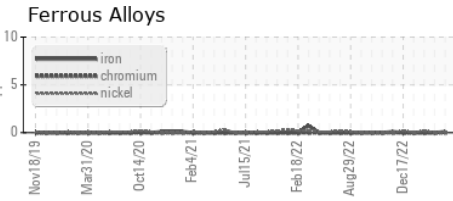
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>VLITE</b>	NONE	VLITE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	42.4	<b>43.0</b>	42.9	42.5

### SAMPLE IMAGES



### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **HUSKY SEA ROSE /AKER SOLUTIONS**  
**Sample No.** : PP **Received** : 25 Apr 2023 **PO BOX 20**  
**Lab Number** : 02553433 **Diagnosed** : 26 Apr 2023 **ST. JOHN'S, NL**  
**Unique Number** : 5566448 **Diagnostician** : Wes Davis **CA A1C 6C9**  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man ) **Contact: Maintenance Supervisor**  
*To discuss this sample report, contact Customer Service at 1-800-268-2131.* **maintsuper.searose@huskyenergy.ca**  
*Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.* **T: x:**  
*Validity of results and interpretation are based on the sample and information as supplied.* **F: x:**