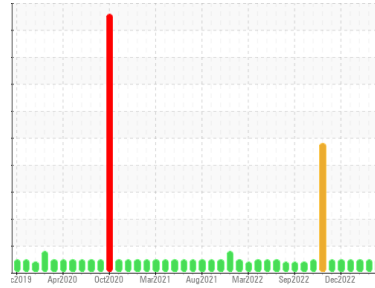




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**M10**  
 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>11 Sep 2023</b>	24 Apr 2023	20 Mar 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>0</b>	<1	0
Chromium	ppm ASTM D5185(m) >5	<b>0</b>	0	0
Nickel	ppm ASTM D5185(m)	<b>0</b>	0	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>	0	0
Lead	ppm ASTM D5185(m) >65	<b>&lt;1</b>	0	0
Copper	ppm ASTM D5185(m) >65	<b>&lt;1</b>	0	0
Tin	ppm ASTM D5185(m) >10	<b>0</b>	0	0
Antimony	ppm ASTM D5185(m)	<b>0</b>	<1	<1
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>&lt;1</b>	0	0
Barium	ppm ASTM D5185(m)	<b>1</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>0</b>	<1	0
Calcium	ppm ASTM D5185(m)	<b>0</b>	0	0
Phosphorus	ppm ASTM D5185(m)	<b>1191</b>	1258	1244
Zinc	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Sulfur	ppm ASTM D5185(m)	<b>42</b>	51	43
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

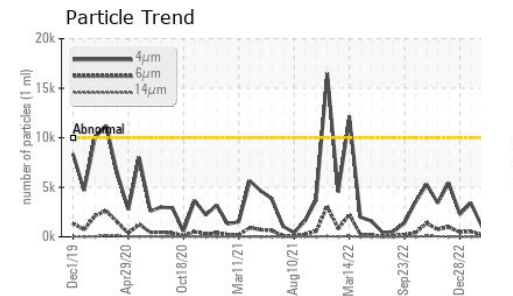
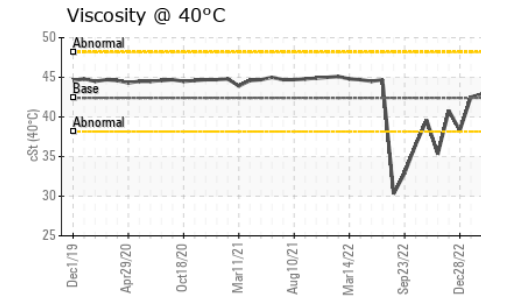
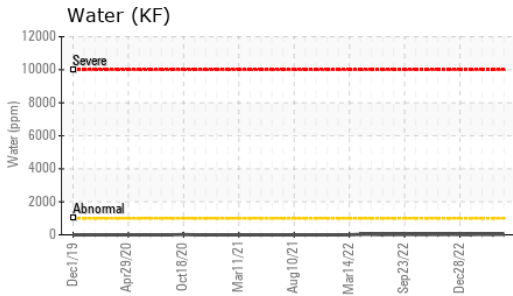
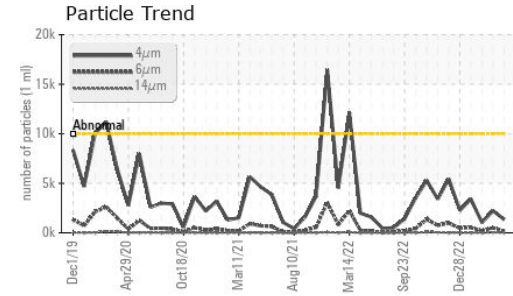
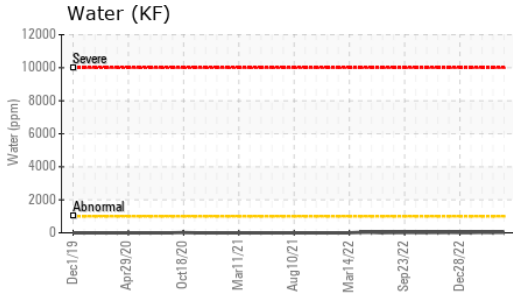
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >35	<b>&lt;1</b>	<1	<1
Sodium	ppm ASTM D5185(m)	<b>&lt;1</b>	0	0
Potassium	ppm ASTM D5185(m) >20	<b>&lt;1</b>	0	0
Water	% ASTM D6304* >0.1	<b>0.003</b>	0.002	0.003
ppm Water	ppm ASTM D6304* >1000	<b>26.2</b>	22.8	29.9

## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>1352</b>	2223	1038
Particles >6µm	ASTM D7647 >2500	<b>159</b>	502	186
Particles >14µm	ASTM D7647 >320	<b>8</b>	55	8
Particles >21µm	ASTM D7647 >80	<b>2</b>	25	3
Particles >38µm	ASTM D7647 >20	<b>1</b>	2	0
Particles >71µm	ASTM D7647 >4	<b>1</b>	0	0
Oil Cleanliness	ISO 4406 (c) >20/18/15	<b>18/14/10</b>	18/16/13	17/15/10



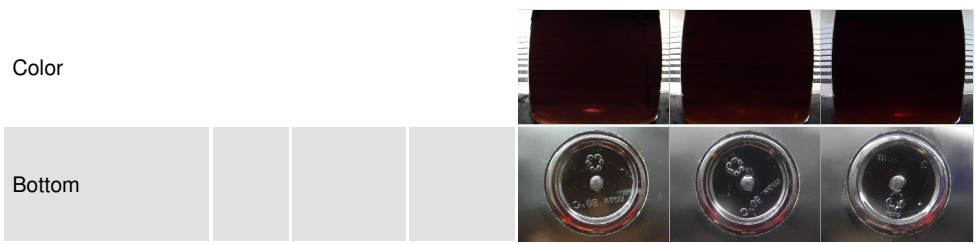
# OIL ANALYSIS REPORT



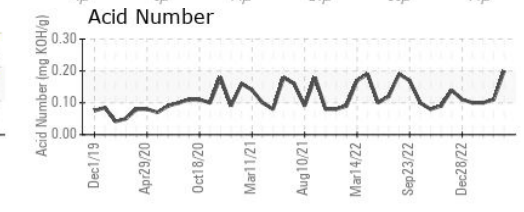
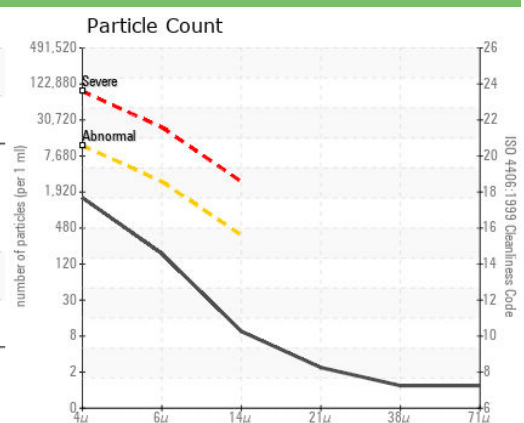
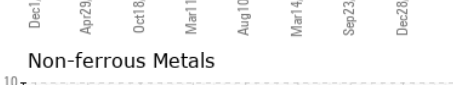
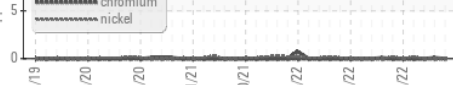
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.20</b>	0.11	0.10
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
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>43.2</b>	43.0	42.9

## SAMPLE IMAGES



## 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** : 02591455 **Diagnosed** : 25 Oct 2023  
**Unique Number** : 5668534 **Diagnostician** : Wes Davis  
**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.

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 T: x:  
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