



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Area
[001337-1]
 Machine Id
HILL PHOENIX 410000027125 RACK F
 Component
Reciprocating Compressor
 Fluid
EMKARATE RL 32H (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

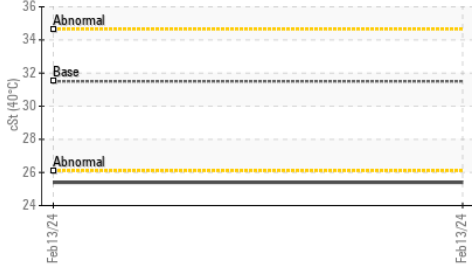
There is no indication of any contamination in the oil.

FLUID CONDITION

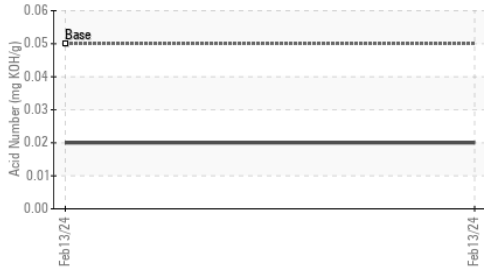
Viscosity of sample indicates oil is within ISO 22 range, advise investigate.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0907698	---	---
Sample Date		Client Info		13 Feb 2024	---	---
Machine Age	yrs	Client Info		10	---	---
Oil Age	yrs	Client Info		10	---	---
Filter Age	yrs	Client Info		1	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)	>50	3	---	---
Chromium	ppm	ASTM D5185(m)	>10	0	---	---
Nickel	ppm	ASTM D5185(m)		<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	<1	---	---
Lead	ppm	ASTM D5185(m)	>25	0	---	---
Copper	ppm	ASTM D5185(m)	>50	<1	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>25	3	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Water	%	ASTM D6304*	>0.1	0.033	---	---
ppm Water	ppm	ASTM D6304*	>1000	333	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Sodium	ppm	ASTM D5185(m)		0	---	---
Boron	ppm	ASTM D5185(m)	0	<1	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	0	0	---	---
Calcium	ppm	ASTM D5185(m)	0	0	---	---
Phosphorus	ppm	ASTM D5185(m)	5	0	---	---
Zinc	ppm	ASTM D5185(m)	10	<1	---	---
Sulfur	ppm	ASTM D5185(m)	50	0	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	.05	0.02	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	31.5	▲ 25.4	---	---

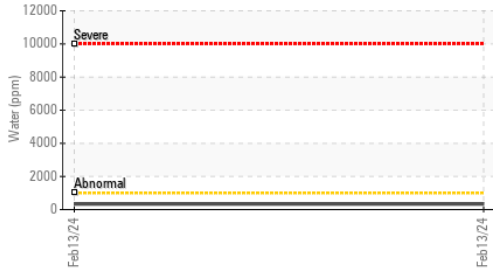
▲ Viscosity @ 40°C



Acid Number



Water (KF)



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0907698 **Received** : 21 Feb 2024
Lab Number : **02617284** **Tested** : 27 Feb 2024
Unique Number : 5734394 **Diagnosed** : 27 Feb 2024 - Kevin Marson
Test Package : TEST (Additional Tests: ICP, KF, KV40, TAN Man)

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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.