

Machine Id  
**HP2 COMPRESSOR**

Component  
**Compressor**

Fluid  
**REFRIG COMP OIL ISO 32 (--- LTR)**

**DIAGNOSIS**

**Recommendation**

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) REFRIG COMP OIL ISO 32. Please confirm. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with 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 history 1 history 2

Sample Number	Client Info	<b>PC</b>	---	---
Sample Date	Client Info	<b>01 Jul 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---
Oil Age	hrs	Client Info	<b>0</b>	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

**WEAR METALS** method limit/base current history 1 history 2

PQ	ASTM D8184*		<b>0</b>	---	---
Iron	ppm	ASTM D5185(m)	>50	<b>0</b>	---
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	---
Nickel	ppm	ASTM D5185(m)		<b>0</b>	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---
Aluminum	ppm	ASTM D5185(m)	>15	<b>0</b>	---
Lead	ppm	ASTM D5185(m)	>65	<b>0</b>	---
Copper	ppm	ASTM D5185(m)	>65	<b>0</b>	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---

**ADDITIVES** method limit/base current history 1 history 2

Boron	ppm	ASTM D5185(m)	5	<b>0</b>	---	---
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	5	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185(m)	12	<b>&lt;1</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	12	<b>3</b>	---	---
Zinc	ppm	ASTM D5185(m)	12	<b>2</b>	---	---
Sulfur	ppm	ASTM D5185(m)	1000	<b>624</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---

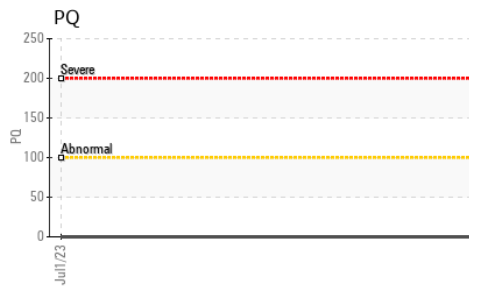
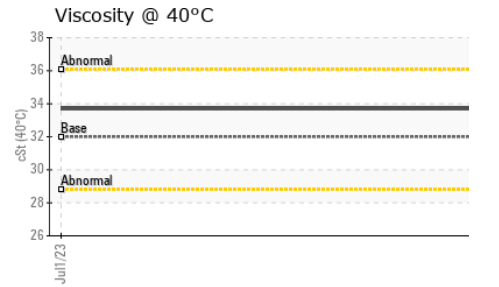
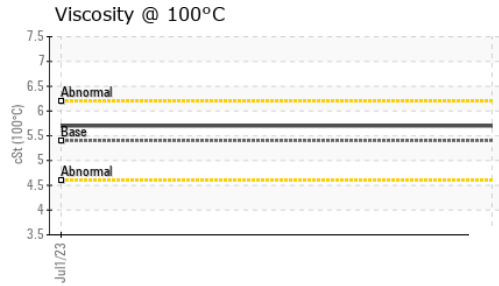
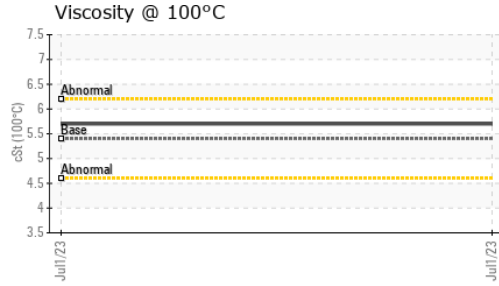
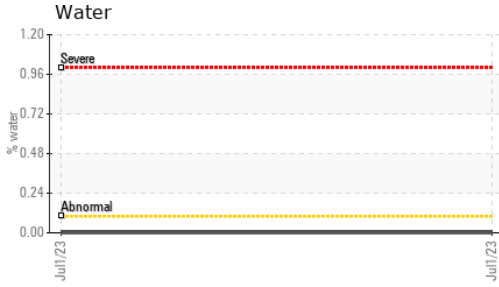
**CONTAMINANTS** method limit/base current history 1 history 2

Silicon	ppm	ASTM D5185(m)	>35	<b>0</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Water	%	ASTM D6304*	>0.1	<b>0.001</b>	---	---
ppm Water	ppm	ASTM D6304*	>1000	<b>10.5</b>	---	---

**FLUID DEGRADATION** method limit/base current history 1 history 2

Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	<b>0.09</b>	---	---
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# OIL ANALYSIS REPORT

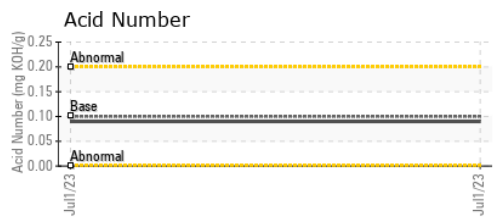
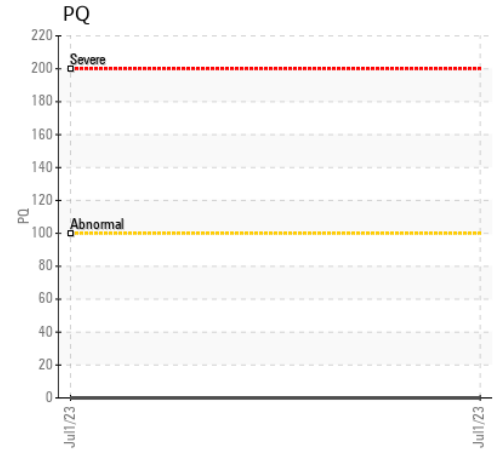
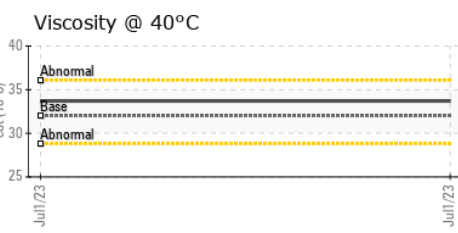
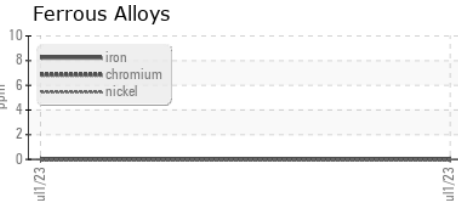


VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	---	---
Free Water	scalar	Visual*		<b>NEG</b>	---	---

FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D7279(m)	32	<b>33.7</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	5.4	<b>5.7</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	102	<b>108</b>	---	---

SAMPLE IMAGES		method	limit/base	current	history 1	history 2
Color					no image	no image
Bottom					no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC  
**Lab Number** : 02568003  
**Unique Number** : 5605049  
**Test Package** : MAR 2 ( Additional Tests: KF, KV100, TAN Man, VI )  
**Received** : 05 Jul 2023  
**Diagnosed** : 05 Jul 2023  
**Diagnostician** : Kevin Marson

**Suncor - Terra Nova Projects**  
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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.