

Machine Id
HP1 COMPRESSOR

Component
Compressor

Fluid
NOT GIVEN (--- 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. 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 history1 history2

Sample Number	Client Info	PC	PC	PC
Sample Date	Client Info	01 Jul 2023	14 Jul 2015	13 Jul 2015
Machine Age	hrs Client Info	0	0	0
Oil Age	hrs Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS method limit/base current history1 history2

PQ	ASTM D8184*	0	15	13
Iron	ppm ASTM D5185(m) >50	<1	<1	0
Chromium	ppm ASTM D5185(m) >5	0	0	0
Nickel	ppm ASTM D5185(m)	<1	<1	<1
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m)	0	0	0
Aluminum	ppm ASTM D5185(m) >15	0	<1	<1
Lead	ppm ASTM D5185(m) >65	0	<1	0
Copper	ppm ASTM D5185(m) >65	<1	<1	<1
Tin	ppm ASTM D5185(m) >10	0	0	0
Antimony	ppm ASTM D5185(m)	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	<1	0

ADDITIVES method limit/base current history1 history2

Boron	ppm ASTM D5185(m)	<1	0	0
Barium	ppm ASTM D5185(m)	0	0	0
Molybdenum	ppm ASTM D5185(m)	0	0	0
Manganese	ppm ASTM D5185(m)	0	0	0
Magnesium	ppm ASTM D5185(m)	<1	<1	0
Calcium	ppm ASTM D5185(m)	<1	<1	2
Phosphorus	ppm ASTM D5185(m)	99	119	119
Zinc	ppm ASTM D5185(m)	2	1	1
Sulfur	ppm ASTM D5185(m)	195	45	46
Lithium	ppm ASTM D5185(m)	<1	<1	<1

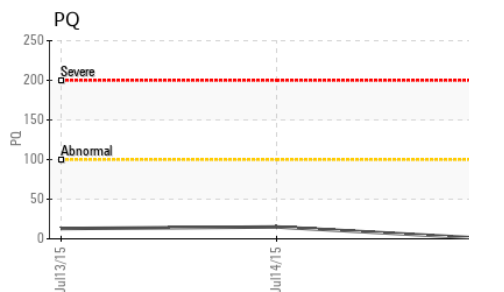
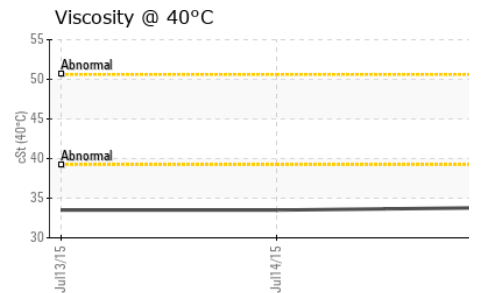
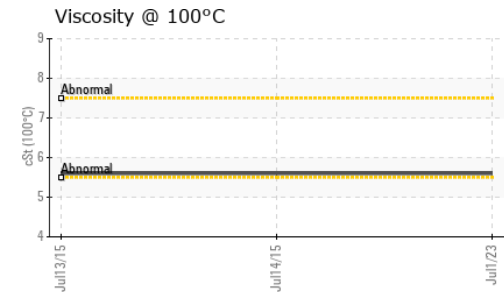
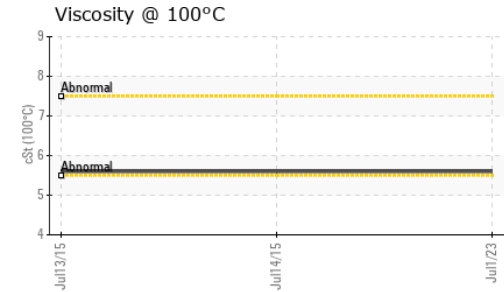
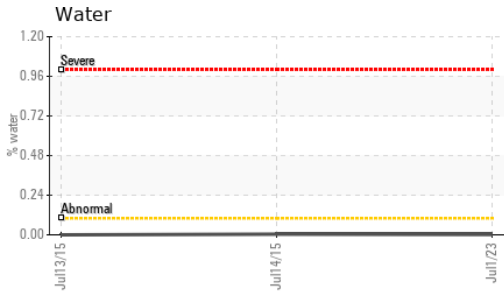
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm ASTM D5185(m) >35	1	1	1
Sodium	ppm ASTM D5185(m)	<1	<1	<1
Potassium	ppm ASTM D5185(m) >20	<1	0	0
Water	% ASTM D6304* >0.1	0.002	0.004	---
ppm Water	ppm ASTM D6304* >1000	17.4	49.8	---

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g ASTM D974*	0.18	0.042	0.042
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OIL ANALYSIS REPORT

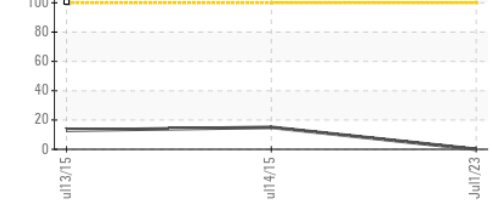
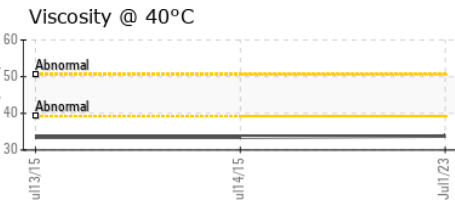
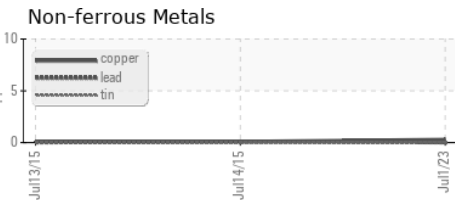
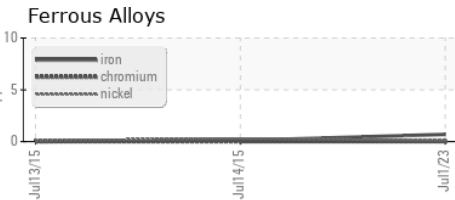


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	.2%
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	33.8	33.5	33.5
Visc @ 100°C	cSt	ASTM D7279(m)	5.6	5.6	5.6
Viscosity Index (VI)	Scale	ASTM D2270*	102	104	104

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC
Lab Number : **02568000** **Received** : 05 Jul 2023
Unique Number : 5605046 **Diagnosed** : 05 Jul 2023
Test Package : MAR 2 (Additional Tests: KF, KV100, TAN Man, VI) **Diagnostician** : Kevin Marson

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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.