

Machine Id
MP COMPRESSOR

Component
Compressor
Fluid
NOT GIVEN (--- GAL)

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 history 1 history 2

Sample Number	Client Info	PC	PC	---
Sample Date	Client Info	04 Jul 2023	01 Jul 2023	---
Machine Age	hrs Client Info	0	0	---
Oil Age	hrs Client Info	0	0	---
Oil Changed	Client Info	N/A	N/A	---
Sample Status		NORMAL	NORMAL	---

WEAR METALS method limit/base current history 1 history 2

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

ADDITIVES method limit/base current history 1 history 2

Boron	ppm ASTM D5185(m)	<1	0	---
Barium	ppm ASTM D5185(m)	0	0	---
Molybdenum	ppm ASTM D5185(m)	0	0	---
Manganese	ppm ASTM D5185(m)	0	0	---
Magnesium	ppm ASTM D5185(m)	<1	<1	---
Calcium	ppm ASTM D5185(m)	<1	<1	---
Phosphorus	ppm ASTM D5185(m)	84	84	---
Zinc	ppm ASTM D5185(m)	2	2	---
Sulfur	ppm ASTM D5185(m)	443	446	---
Lithium	ppm ASTM D5185(m)	<1	<1	---

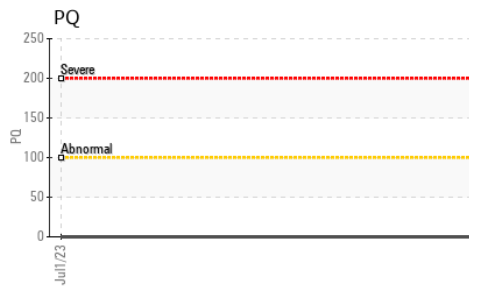
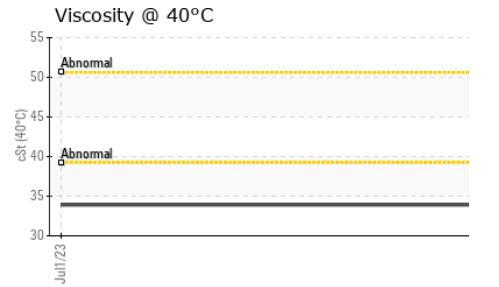
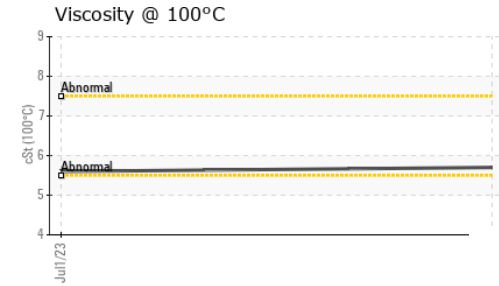
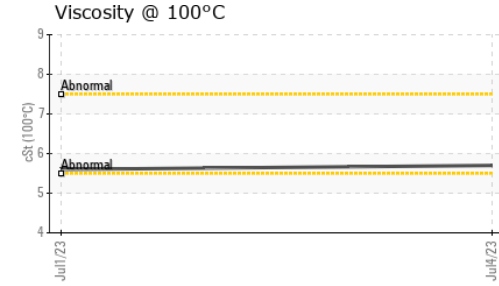
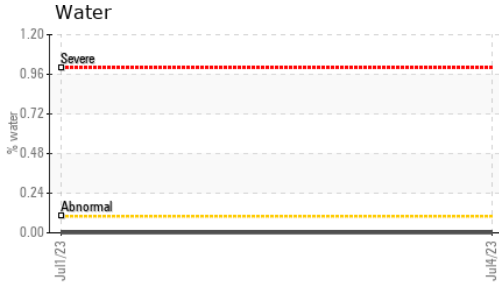
CONTAMINANTS method limit/base current history 1 history 2

Silicon	ppm ASTM D5185(m) >35	2	2	---
Sodium	ppm ASTM D5185(m)	<1	0	---
Potassium	ppm ASTM D5185(m) >20	0	<1	---
Water	% ASTM D6304* >0.1	0.001	0.001	---
ppm Water	ppm ASTM D6304* >1000	8.3	6.5	---

FLUID DEGRADATION method limit/base current history 1 history 2

Acid Number (AN)	mg KOH/g ASTM D974*	0.06	0.05	---
------------------	---------------------	-------------	------	-----

OIL ANALYSIS REPORT

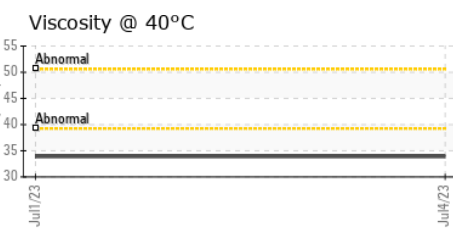
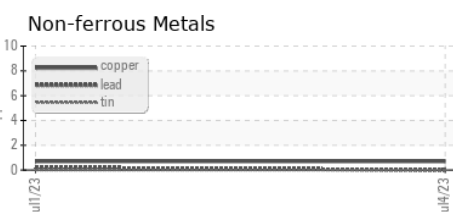


PARAMETER	method	limit/base	current	history 1	history 2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

PARAMETER	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D7279(m)	33.9	33.9	---
Visc @ 100°C	cSt	ASTM D7279(m)	5.7	5.6	---
Viscosity Index (VI)	Scale	ASTM D2270*	107	102	---

PARAMETER	method	limit/base	current	history 1	history 2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC
Lab Number : 02567998
Unique Number : 5605044
Test Package : MAR 2 (Additional Tests: KF, KV100, TAN Man, VI)

Suncor - Terra Nova Projects
 Scotia Centre, 235 Water Street
 St. John's, NL
 CA A1C 1B6
 Contact: Deanne Badcock
 dbadcock@suncor.com
 T: (709)778-3843
 F: (709)724-2784

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.