

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
PARK ENERGY INVESTIGATION
 Machine Id
PACIFIC B - COMPRESSOR
 Component
Reciprocating Compressor
 Fluid
PETRO CANADA SENTRON LA 2000 (4 QTS)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. 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		PCA0073708	---	---
Sample Date	Client Info		30 Jun 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	240	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m >50	5	---	---
Chromium	ppm	ASTM D5185m >10	0	---	---
Nickel	ppm	ASTM D5185m	0	---	---
Titanium	ppm	ASTM D5185m	<1	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	1	---	---
Lead	ppm	ASTM D5185m >25	0	---	---
Copper	ppm	ASTM D5185m >50	<1	---	---
Tin	ppm	ASTM D5185m >15	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m 2	<1	---	---
Barium	ppm	ASTM D5185m 1	0	---	---
Molybdenum	ppm	ASTM D5185m 1	1	---	---
Manganese	ppm	ASTM D5185m 5	0	---	---
Magnesium	ppm	ASTM D5185m 1	20	---	---
Calcium	ppm	ASTM D5185m 1237	1209	---	---
Phosphorus	ppm	ASTM D5185m 270	269	---	---
Zinc	ppm	ASTM D5185m 330	330	---	---
Sulfur	ppm	ASTM D5185m 2670	3243	---	---

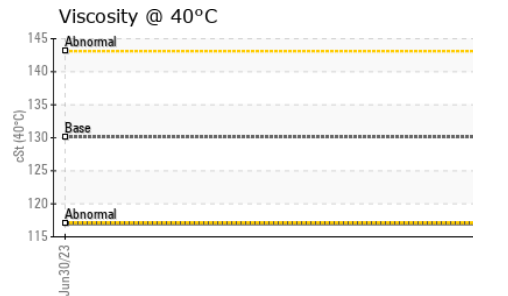
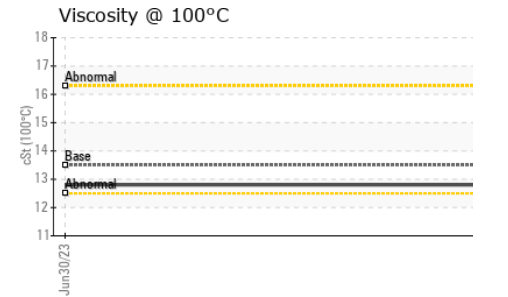
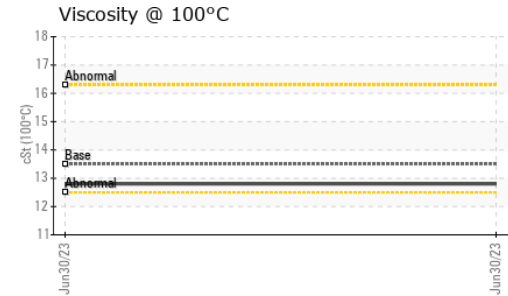
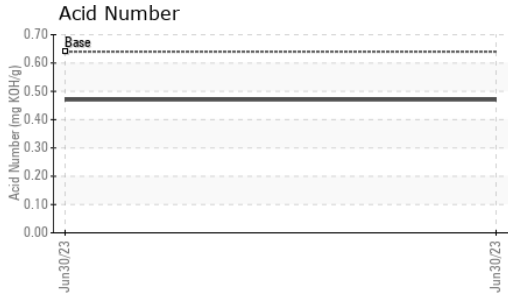
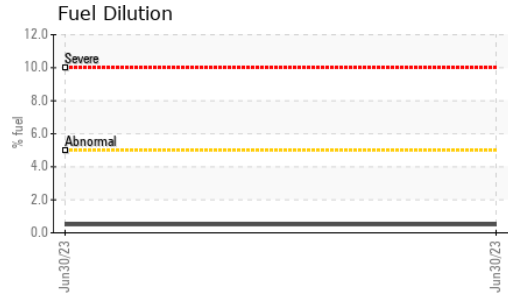
CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m >25	2	---	---
Sodium	ppm	ASTM D5185m	16	---	---
Potassium	ppm	ASTM D5185m >20	0	---	---
Fuel	%	ASTM D3524	0.5	---	---

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.64	0.47	---	---
Base Number (BN)	mg KOH/g	ASTM D2896 4.4	4.91	---	---

OIL ANALYSIS REPORT

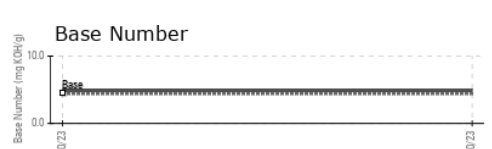
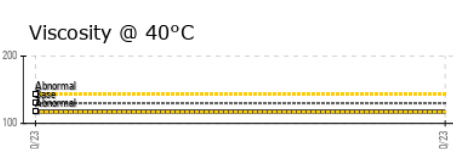
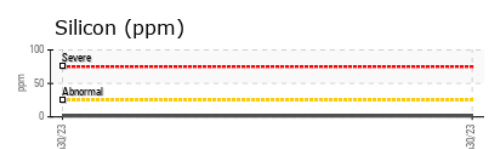
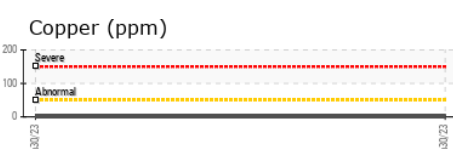
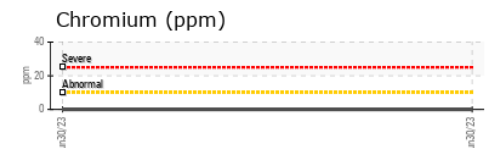
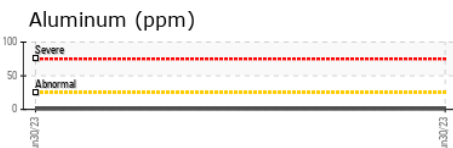


VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	130.1	117	---
Visc @ 100°C	cSt	ASTM D445	13.5	12.8	---
Viscosity Index (VI)	Scale	ASTM D2270	99	101	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **PETRO-CANADA LUBRICANTS - GARRETT BAPP**
Sample No. : PCA0073708 **Received** : 10 Jul 2023 2416 N 12TH ST
Lab Number : 05893895 **Diagnosed** : 12 Jul 2023 BROKEN ARROW, OK
Unique Number : 10549705 **Diagnostician** : Jonathan Hester US 74012
Test Package : MOB 2 (Additional Tests: FuelDilution, KV100, PERCENTFUEL, TBN, VI) **Contact:** GARRETT BAPP

To discuss this sample report, contact Customer Service at 1-800-237-1369. T:
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. F:
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)