

Machine Id
ROBUSI P/P
Component
Blower
Fluid
PETRO CANADA SYNDURO SHB ISO 220 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0098135	PCA0098146	PCA0065574
Sample Date		Client Info		22 Dec 2023	06 Sep 2023	15 Dec 2021
Machine Age	yrs	Client Info		10	8	8
Oil Age	yrs	Client Info		1	1	1
Filter Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	MARGINAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	0	8	7
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	0	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

Elemental level of silicon (Si) above normal.

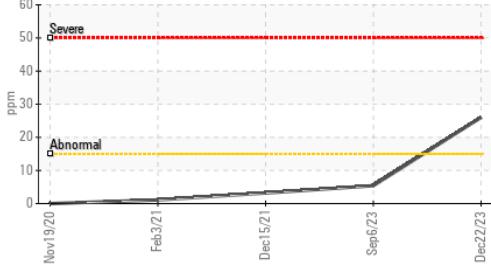
Silicon	ppm	ASTM D5185m	>15	▲ 26	5	3
Potassium	ppm	ASTM D5185m	>20	<1	1	<1
Water		WC Method		NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	NEG	NEG

FLUID CONDITION

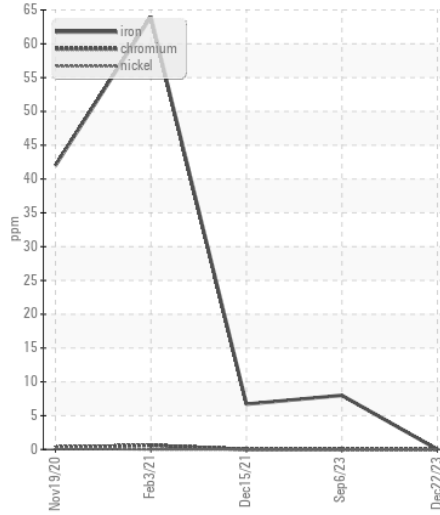
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	0	<1
Boron	ppm	ASTM D5185m		4	0	11
Barium	ppm	ASTM D5185m	5.0	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	5.0	0	<1	0
Calcium	ppm	ASTM D5185m	5.0	0	0	40
Phosphorus	ppm	ASTM D5185m	100	118	91	406
Zinc	ppm	ASTM D5185m	5.0	11	19	190
Sulfur	ppm	ASTM D5185m	1900	2602	3315	6468
Acid Number (AN)	mg KOH/g	ASTM D8045	0.3	0.46	0.22	0.59
Visc @ 40°C	cSt	ASTM D445	219	212	204	▲ 177

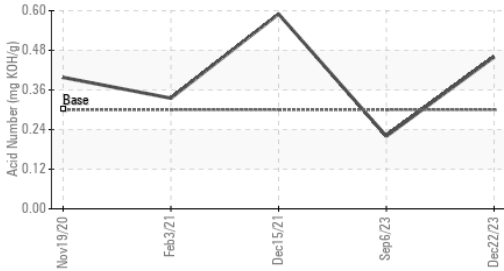
▲ Silicon (ppm)



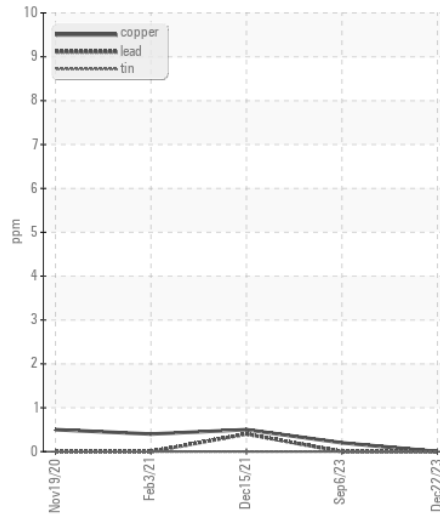
Ferrous Alloys



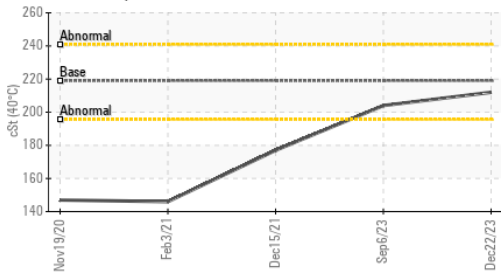
Acid Number



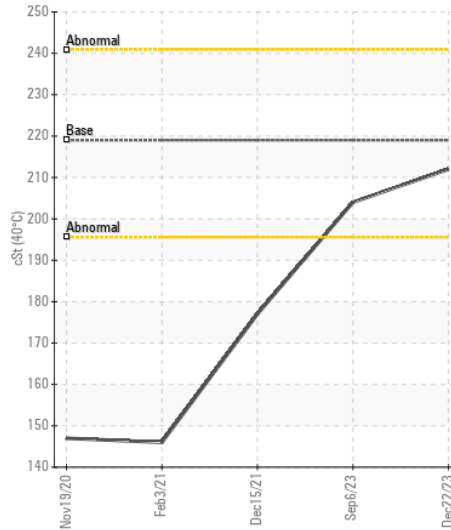
Non-ferrous Metals



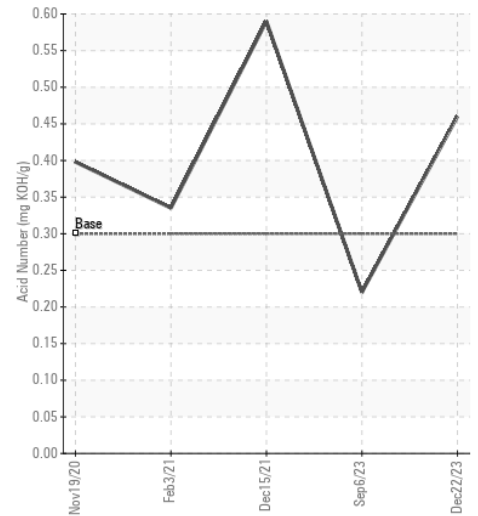
Viscosity @ 40°C



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0098135 **Received** : 11 Jan 2024
Lab Number : 06058269 **Diagnosed** : 14 Jan 2024
Unique Number : 10829651 **Diagnostician** : Don Baldridge
Test Package : IND 2

CERTAINTED CORP
 200 RONTHOR DR
 SOCIAL CIRCLE, GA
 US 30025

Contact: MARK KIRKPATRICK
 MARK.W.KIRKPATRICK@SAINT-GOBAIN.COM

T:
 F: (770)464-0878

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)