WEAR CONTAMINATION FLUID CONDITION

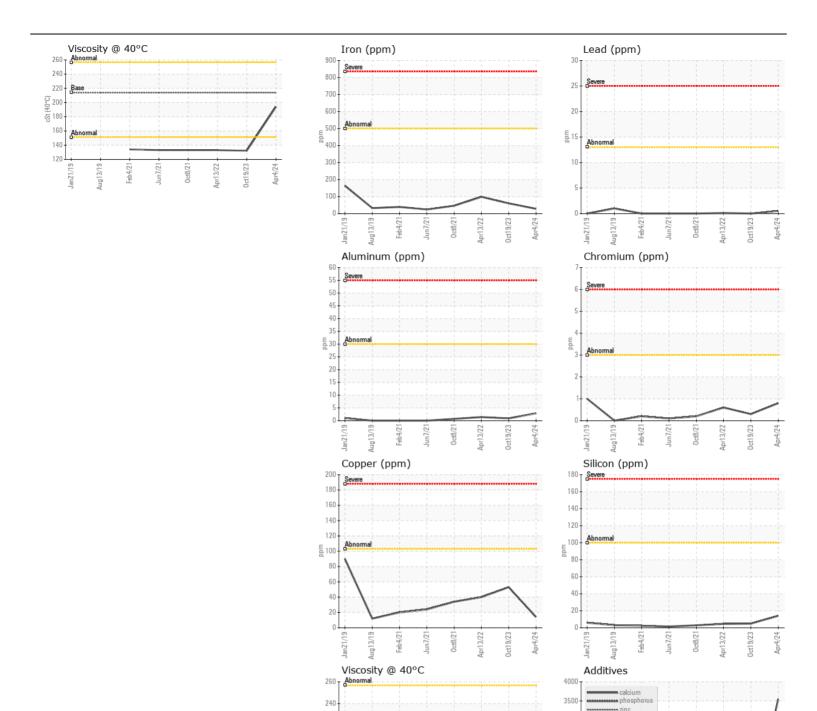
NORMAL NORMAL



[68978] Machine Id OHT101

Middle Differential

PETRO CANADA PRODURO T	O-4 SAE 50	(G	AL)				
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. (Customer Sample Comment: PM-1 sampled fluid)	Sample Number		Client Info		PCA0109337	PCA0084716	PCA0062493
	Sample Date		Client Info		04 Apr 2024	19 Oct 2023	13 Apr 2022
	Machine Age	hrs	Client Info		17749	17273	16935
	Oil Age	hrs	Client Info		17749	17827	16717
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	Changed	Not Changd
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>500	28	60	98
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>3	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>3	<1	<1	0
	Titanium	ppm	ASTM D5185m	>2	<1	<1	0
	Silver	ppm	ASTM D5185m	>2	0	0	<1
	Aluminum	ppm	ASTM D5185m	>30	3	<1	1
	Lead	ppm	ASTM D5185m		<1	0	<1
	Copper	ppm	ASTM D5185m		14	53	40
	Tin	ppm	ASTM D5185m	>5	1	3	3
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>100	14	5	5
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	1	0	<1
	Water		WC Method	>.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
	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	>.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	2	0
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		22	216	165
	Barium	ppm	ASTM D5185m		1	19	0
	Molybdenum	ppm	ASTM D5185m		5	13	11
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		16	8	6
	Calcium	ppm	ASTM D5185m		3550	216	179
	Phosphorus	ppm	ASTM D5185m		973	1299	1026
	Zinc	ppm	ASTM D5185m		1133	128	89
	Sulfur	ppm	ASTM D5185m		5487	41735	20531
Report Id: KEMPOR IWI ISCARI 06149071 (Generated: 04/17/2024 14:17:33) Rev: 1	Visc @ 40°C	cSt	ASTM D445	213.9	194	132 Sui	133 hmitted Bv







Certificate L2367

Laboratory Sample No.

: PCA0109337 Lab Number : 06149071 Unique Number : 10979149 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Apr 2024 **Tested** : 16 Apr 2024

: 17 Apr 2024 - Sean Felton Diagnosed

3000

E 2000

1500 1000

Kemp Quarries - Muskogee Sand

3395 W 50th St N Porter, OK US 74454

Contact:

muskogee@muskogeesand.com

T: F:

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

220 Ç 200

₹ 180

140 120

* - 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)