



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
(77595PC) Feldman Lumber-Tractor
Machine Id
[Feldman Lumber-Tractor] 196D258
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0098285	PCA0089310	---
Sample Date		Client Info		11 Jun 2024	14 Apr 2023	---
Machine Age	mls	Client Info		49023	39254	---
Oil Age	mls	Client Info		9769	5901	---
Filter Age	mls	Client Info		9769	5901	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>80	21	4	---
Chromium	ppm	ASTM D5185m	>5	2	<1	---
Nickel	ppm	ASTM D5185m	>2	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>30	18	3	---
Lead	ppm	ASTM D5185m	>30	0	0	---
Copper	ppm	ASTM D5185m	>150	15	8	---
Tin	ppm	ASTM D5185m	>5	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

There is no indication of any contamination in the oil.

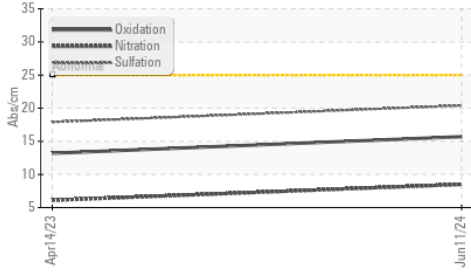
Silicon	ppm	ASTM D5185m	>20	5	3	---
Potassium	ppm	ASTM D5185m	>20	36	<1	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.5	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	8.5	6.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4	17.9	---
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	>0.2	NEG	NEG	---

FLUID CONDITION

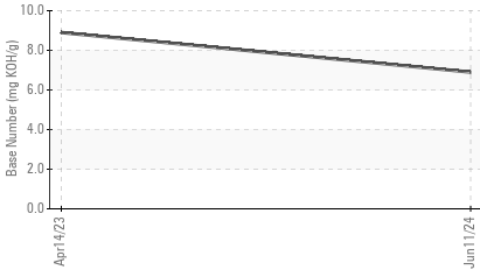
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	<1	---
Boron	ppm	ASTM D5185m	2	15	11	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	50	64	58	---
Manganese	ppm	ASTM D5185m	0	<1	<1	---
Magnesium	ppm	ASTM D5185m	950	841	899	---
Calcium	ppm	ASTM D5185m	1050	1130	1094	---
Phosphorus	ppm	ASTM D5185m	995	1003	947	---
Zinc	ppm	ASTM D5185m	1180	1175	1191	---
Sulfur	ppm	ASTM D5185m	2600	3129	3496	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	13.2	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.9	8.9	---
Visc @ 100°C	cSt	ASTM D445	12.00	11.1	11.1	---

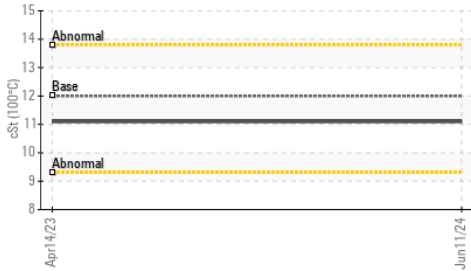
FT-IR (Direct Trend)



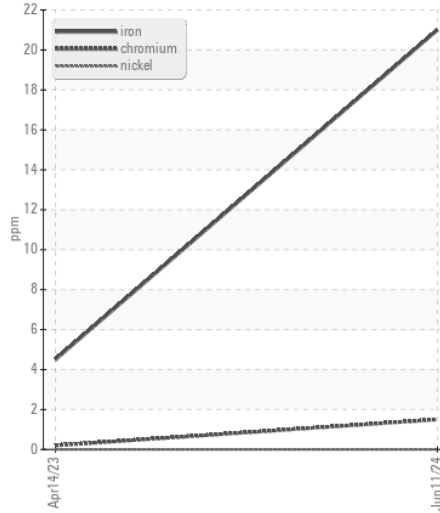
Base Number



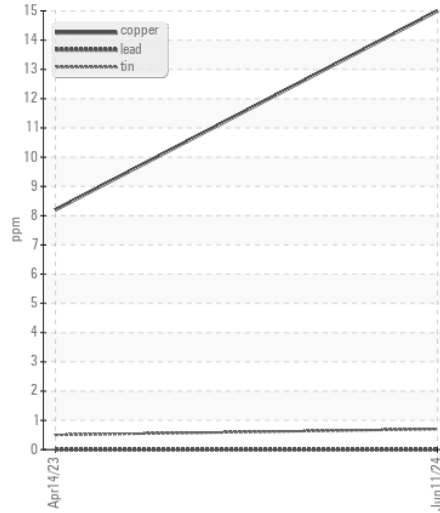
Viscosity @ 100°C



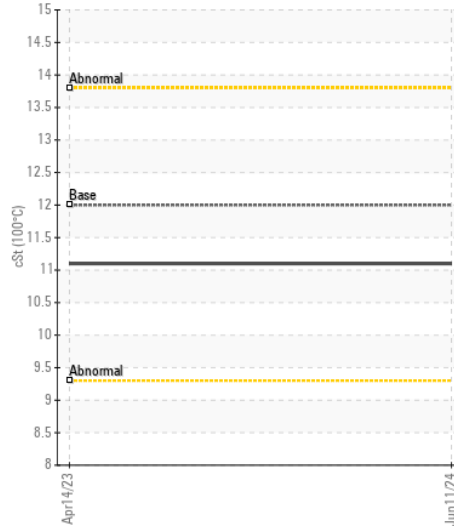
Ferrous Alloys



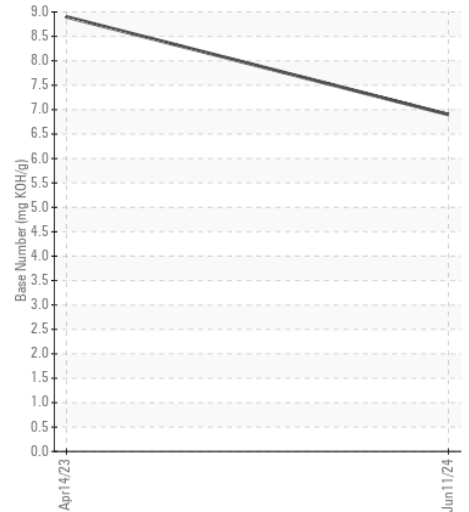
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : PCA0098285
 Lab Number : 06235376
 Unique Number : 11124210
 Test Package : FLEET

Received : 15 Jul 2024
 Tested : 15 Jul 2024
 Diagnosed : 15 Jul 2024 - Wes Davis

Transervice - Shop 1960 - Feldman Lumber Service
 1281 Metropolitan Avenue
 Brooklyn, NY
 US 11237
 Contact: Marc Fried
 mfried@transervice.com

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)

T:
F: