



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
(16720MG) Feldman Lumber-Tractor
Machine Id
[Feldman Lumber-Tractor] 196D514
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		PCA0106079	PCA0089309	PCA0089326
Sample Date		Client Info		05 Mar 2024	18 Apr 2023	27 Jan 2023
Machine Age	mls	Client Info		77171	71641	69982
Oil Age	mls	Client Info		5530	1659	2477
Filter Age	mls	Client Info		5530	1659	2477
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>80	18	10	14
Chromium	ppm	ASTM D5185m	>5	<1	<1	1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>30	2	4	12
Lead	ppm	ASTM D5185m	>30	0	0	0
Copper	ppm	ASTM D5185m	>150	1	2	6
Tin	ppm	ASTM D5185m	>5	<1	0	1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

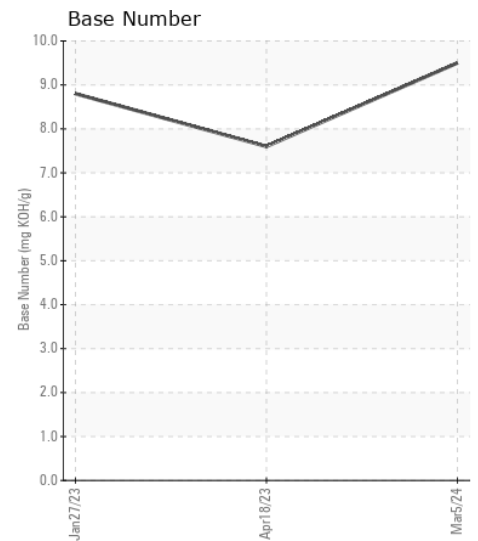
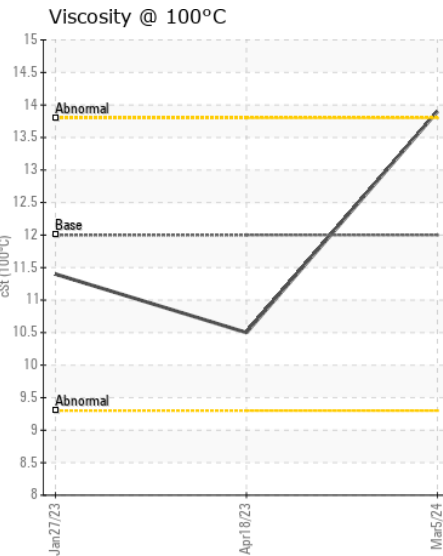
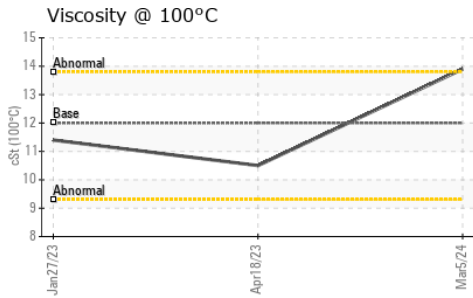
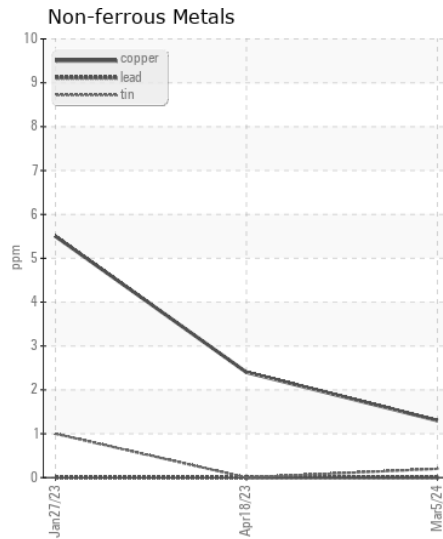
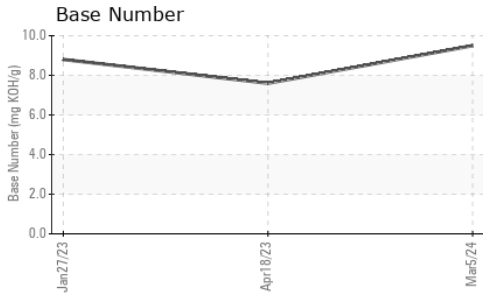
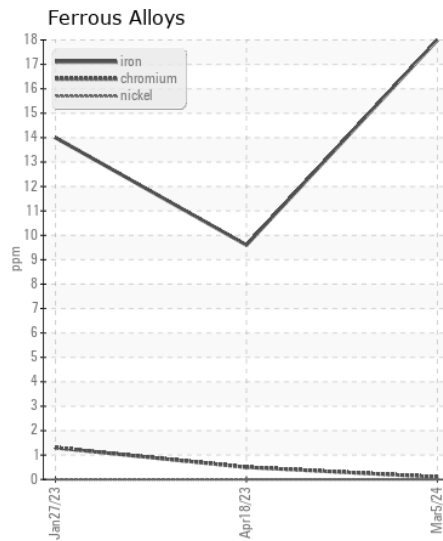
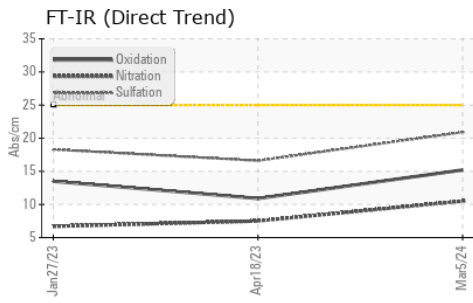
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	6	5	12
Potassium	ppm	ASTM D5185m	>20	0	2	6
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	1.5	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	10.5	7.5	6.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9	16.6	18.3
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	1	2
Boron	ppm	ASTM D5185m	2	14	10	21
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	64	57	55
Manganese	ppm	ASTM D5185m	0	<1	<1	1
Magnesium	ppm	ASTM D5185m	950	577	763	809
Calcium	ppm	ASTM D5185m	1050	1389	1065	1163
Phosphorus	ppm	ASTM D5185m	995	903	831	890
Zinc	ppm	ASTM D5185m	1180	1051	1049	1096
Sulfur	ppm	ASTM D5185m	2600	3427	3098	3102
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	10.9	13.5
Base Number (BN)	mg KOH/g	ASTM D2896		9.5	7.6	8.8
Visc @ 100°C	cSt	ASTM D445	12.00	13.9	10.5	11.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0106079
Lab Number : 06155570
Unique Number : 10990993
Test Package : FLEET

Received : 22 Apr 2024
Tested : 23 Apr 2024
Diagnosed : 24 Apr 2024 - Sean Felton

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)

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F: