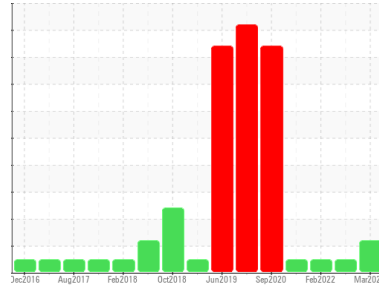


OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Machine Id
VOLVO TRACTOR 26450 (S/N HN985339)

Component
Diesel Engine

Fluid
PETRO CANADA DURON SHP 10W30 (47 QTS)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN level is low.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PCA0111486	PCA0085153	PCA0066262
Sample Date	Client Info			05 Mar 2024	10 Jan 2023	21 Feb 2022
Machine Age	mls	Client Info		422108	388552	360068
Oil Age	mls	Client Info		24000	12000	24000
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>6.0	<1.0	<1.0	<1.0	
Water	WC Method	>0.2	NEG	NEG	NEG	
Glycol	WC Method		NEG	NEG	NEG	

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	44	17	22
Chromium	ppm	ASTM D5185m	>20	1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	8	3	5
Lead	ppm	ASTM D5185m	>40	3	1	2
Copper	ppm	ASTM D5185m	>330	6	3	6
Tin	ppm	ASTM D5185m	>15	1	<1	1
Antimony	ppm	ASTM D5185m		---	---	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

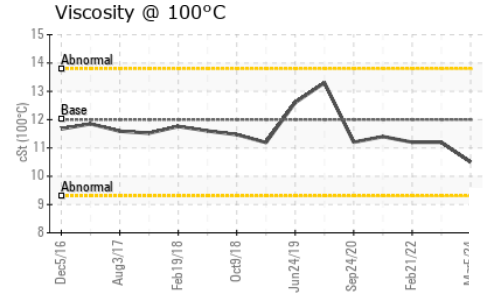
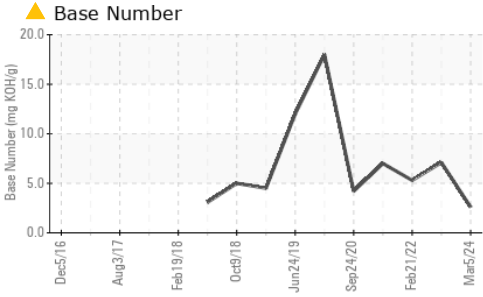
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	10	0	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	59	61	58
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	924	959	985
Calcium	ppm	ASTM D5185m	1050	1089	1208	1236
Phosphorus	ppm	ASTM D5185m	995	983	1001	1014
Zinc	ppm	ASTM D5185m	1180	1228	1300	1232
Sulfur	ppm	ASTM D5185m	2600	2366	3355	2478

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11	10	7
Sodium	ppm	ASTM D5185m		26	7	14
Potassium	ppm	ASTM D5185m	>20	10	2	10

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8	0.4	0.6
Nitration	Abs/cm	*ASTM D7624	>20	13.8	9.3	9.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.6	20.1	22.3

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.8	16.6	18.2
Base Number (BN)	mg KOH/g	ASTM D2896		▲ 2.6	7.1	5.3

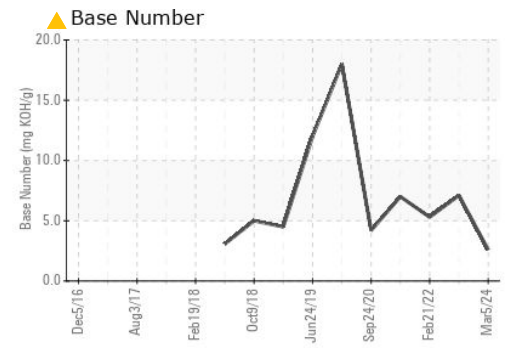
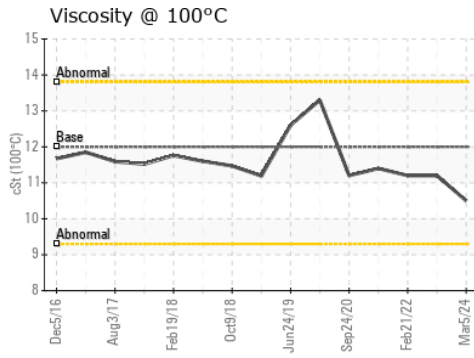
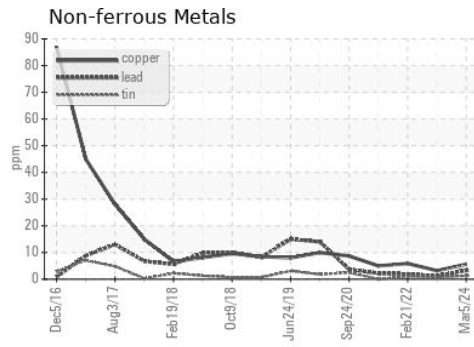
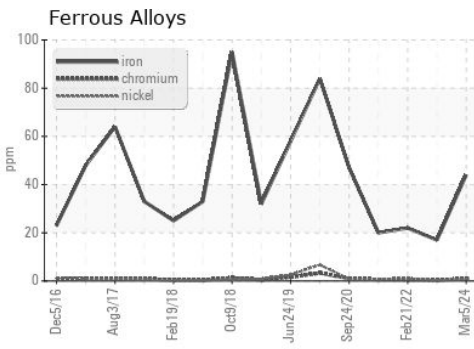
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	10.5	11.2

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111486 **Received** : 08 Mar 2024
Lab Number : **06113427** **Tested** : 11 Mar 2024
Unique Number : 10916924 **Diagnosed** : 12 Mar 2024 - Sean Felton
Test Package : FLEET

PERDUE FARMS - Lewiston
 210 GRIFFINS QUARTER RD
 LEWISTON, NC
 US 27849
 Contact: NELSON WALLACE
 nelson.wallace2@perdue.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: