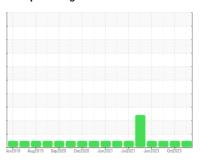


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

PETERBILT 31

Component

Diesel Engine

PETRO CANADA DURON HP 15W40 (52 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

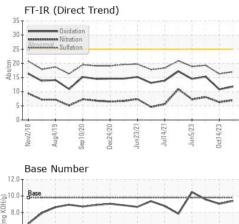
Fluid Condition

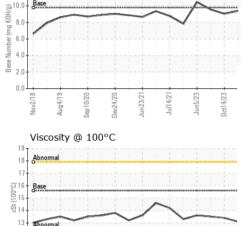
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

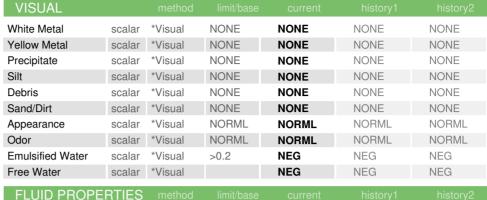
TS)		lov2018 Aug	2019 Sep2020 Dec2020	Jun2021 Jul2021 Jun2023	0et2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0098386	PCA0098377	PCA0098374
Sample Date		Client Info		30 May 2024	14 Oct 2023	14 Oct 2023
Machine Age	mls	Client Info		196108	190310	186279
Oil Age	mls	Client Info		5798	4031	11725
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	10	4	16
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	<1	2
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	0	0	<1
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	14	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		44	26	60
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		625	392	942
Calcium	ppm	ASTM D5185m		1726	1742	1072
Phosphorus	ppm	ASTM D5185m		1063	925	1004
Zinc	ppm	ASTM D5185m		1263	1119	1244
Sulfur	ppm	ASTM D5185m		4121	3360	2929
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	4	6
Sodium	ppm	ASTM D5185m		3	0	3
Potassium	ppm	ASTM D5185m	>20	2	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.2	0.2	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.0	6.3	8.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.0	16.3	19.3
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	11.8	10.8	15.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.40	9.04	9.58



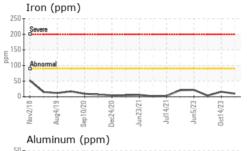
OIL ANALYSIS REPORT

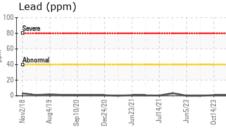


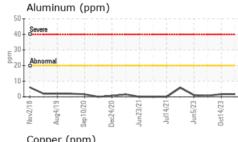


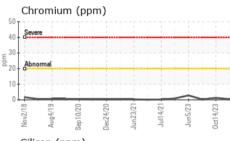


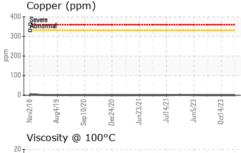
		-			,	•
Visc @ 100°C	cSt	ASTM D445	15.6	13.1	13.4	13.5
GRAPHS						

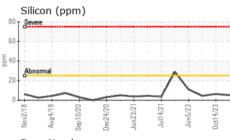


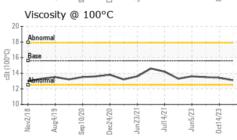


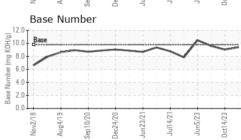














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Certificate 12367

Laboratory Sample No. Test Package : MOB 2

Dct14/23

: PCA0098386 Lab Number : 06201636 Unique Number : 11063759

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Jun 2024 Tested : 07 Jun 2024

Diagnosed : 09 Jun 2024 - Don Baldridge

E WEYMOUTH, MA US 02189 Contact: JOHN LANG gnalj1970@comcast.net

* - 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)

Report Id: JFPEWE [WUSCAR] 06201636 (Generated: 06/09/2024 15:42:08) Rev: 1

Submitted By: JOHN LANG

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