

OIL ANALYSIS REPORT

Sample Rating Trend

Dež023 Aež024

Machine Id **542701**

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- QTS

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

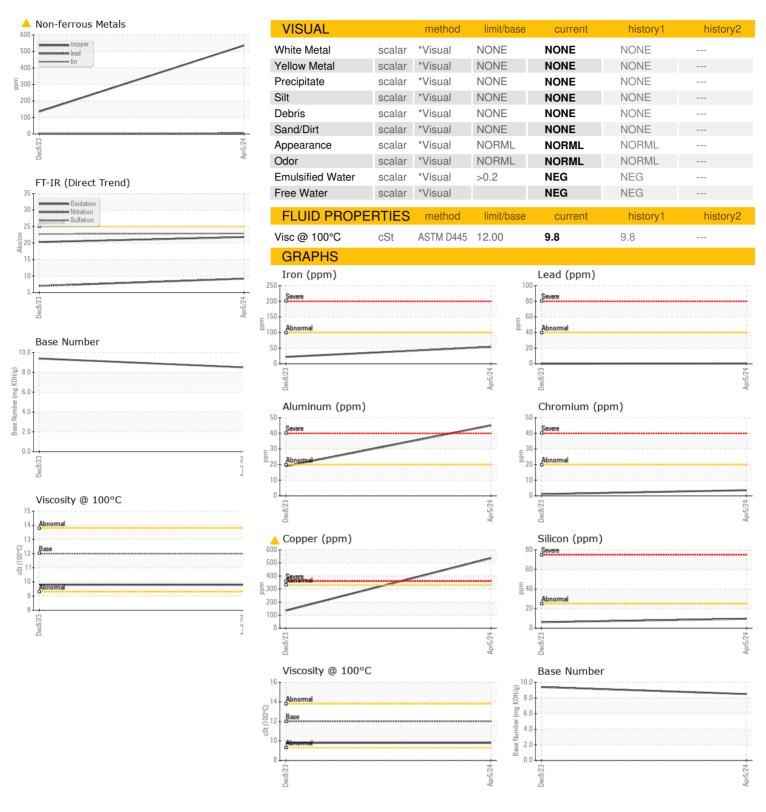
Fluid Condition

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

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TS)			Dec2023	Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0123987	PCA0113403	
Sample Date		Client Info		05 Apr 2024	08 Dec 2023	
Machine Age	mls	Client Info		21067	11095	
Dil Age	mls	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				ABNORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
uel		WC Method	>5	<1.0	<1.0	
Vater		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
on	ppm	ASTM D5185m	>100	54	22	
Chromium	ppm	ASTM D5185m	>20	4	1	
Nickel	ppm	ASTM D5185m	>4	2	<1	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	2	1	
Aluminum	ppm	ASTM D5185m	>20	45	19	
_ead	ppm	ASTM D5185m	>40	<1	0	
Copper	ppm	ASTM D5185m	>330	<u>▲</u> 536	135	
īn	ppm	ASTM D5185m	>15	6	3	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	46	40	
Barium	ppm	ASTM D5185m	0	<1	0	
Molybdenum	ppm	ASTM D5185m	50	59	41	
Manganese	ppm	ASTM D5185m	0	6	3	
Magnesium	ppm	ASTM D5185m	950	694	544	
Calcium	ppm	ASTM D5185m	1050	2151	1581	
Phosphorus	ppm	ASTM D5185m	995	934	771	
Zinc	ppm	ASTM D5185m	1180	1216	941	
Sulfur	ppm	ASTM D5185m	2600	3158	2376	
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	6	
Sodium	ppm	ASTM D5185m		5	4	
Potassium	ppm	ASTM D5185m	>20	162	69	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	9.2	7.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	22.7	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.8	20.3	
Base Number (BN)	mg KOH/g	ASTM D2896		8.5	9.4	
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OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0123987 Lab Number : 06157233 Unique Number : 10992656

Tested

Diagnosed : 25 Apr 2024 - Jonathan Hester Test Package : MOB 1 (Additional Tests: TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received

: 23 Apr 2024

: 24 Apr 2024

* - 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)

MILLER TRUCK LEASING #119

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