

OIL ANALYSIS REPORT

(65232Z) Walgreens - Tractor [Walgreens - Tractor] 136A624 omponen

Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

A 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 (AI) 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. No other contaminants were detected in the oil.

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.

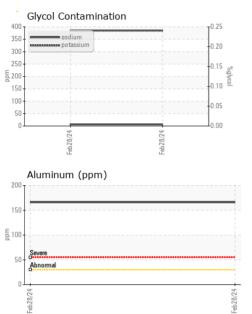
or						
624208						
AL)				Feb2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
ample Number		Client Info		PCA0103556		
ample Date		Client Info		28 Feb 2024		
lachine Age	mls	Client Info		62498		
0il Age	mls	Client Info		62498		
Dil Changed		Client Info		Changed		
ample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
uel		WC Method	>5	<1.0		
Vater		WC Method	>0.2	NEG		
alycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
on	ppm	ASTM D5185m	>80	68		
Chromium	ppm	ASTM D5185m	>5	4		
lickel	ppm	ASTM D5185m	>2	2		
ïtanium	ppm	ASTM D5185m		<1		
ilver	ppm	ASTM D5185m	>3	0		
luminum	ppm	ASTM D5185m	>30	166		
ead	ppm	ASTM D5185m	>30	<1		
opper	ppm	ASTM D5185m	>150	<u> </u>		
ïn	ppm	ASTM D5185m	>5	5		
anadium	ppm	ASTM D5185m		0		
admium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
oron	ppm	ASTM D5185m	2	25		
arium	ppm	ASTM D5185m	0	0		
lolybdenum	ppm	ASTM D5185m	50	42		
langanese	ppm	ASTM D5185m	0	4		
lagnesium	ppm	ASTM D5185m	950	623		
alcium	ppm	ASTM D5185m	1050	1655		
hosphorus	ppm	ASTM D5185m	995	828		
inc	ppm	ASTM D5185m	1180	988		
ulfur	ppm	ASTM D5185m	2600	2045		
CONTAMINAN	TS	method	limit/base	current	history1	history2
ilicon	ppm		>20	9		
odium	ppm	ASTM D5185m		6		
otassium	ppm	ASTM D5185m	>20	385		
INFRA-RED		method	limit/base	current	history1	history2
oot %	%	*ASTM D7844	>3	0.7		
litration	Abs/cm	*ASTM D7624	>20	11.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.0		
FLUID DEGRAI		method	limit/base	current	history1	history2
xidation	Abs/.1mm	*ASTM D7414	>25	27.1		
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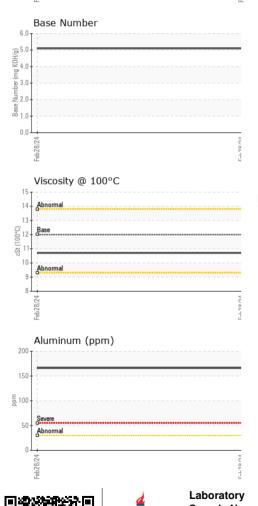
Sample Rating Trend

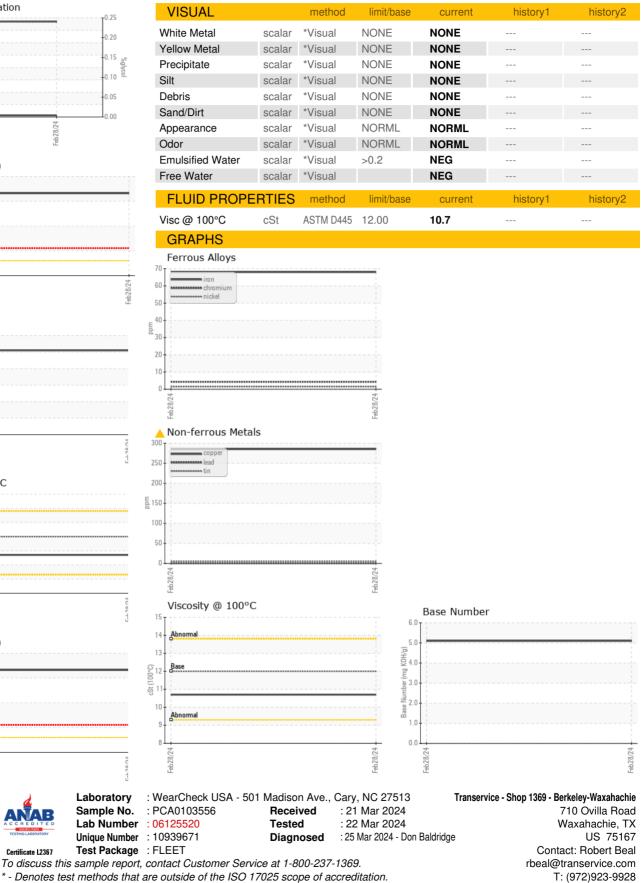
WEAR



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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

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