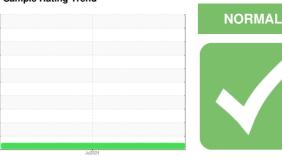


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

BM-238

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- G

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Metal levels are typical for a components first oil change.

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.

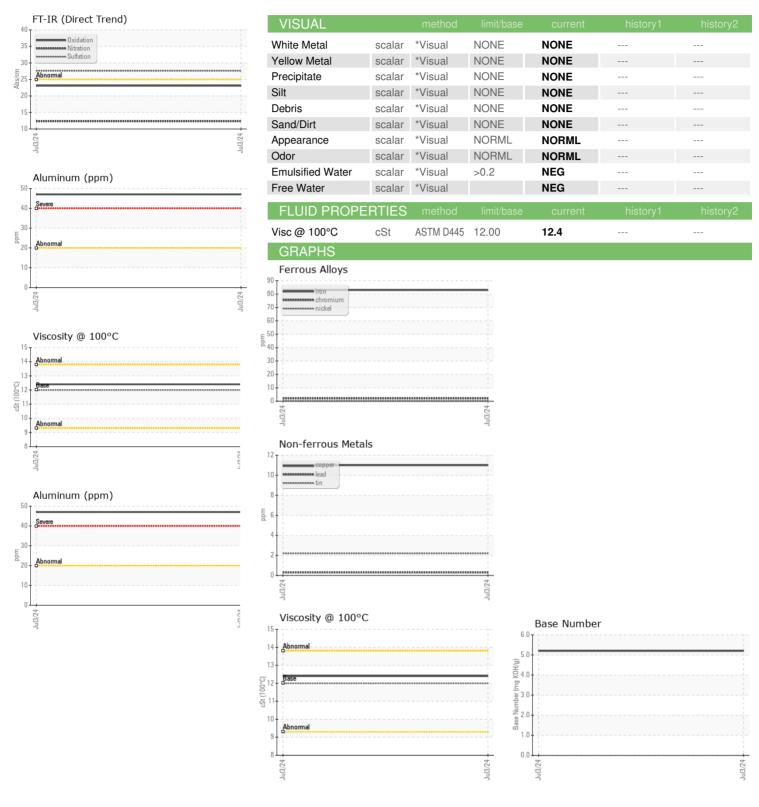
Fluid Condition

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

GAL)				Jul2024		
-						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0108003		
Sample Date		Client Info		03 Jul 2024		
Machine Age	hrs	Client Info		1248		
Oil Age	hrs	Client Info		1248		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method	7 0.2	NEG		
	_					
WEAR METAL		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	83		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	47		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	11		
Tin	ppm	ASTM D5185m	>15	2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	13		
Manganese	ppm	ASTM D5185m	0	3		
Magnesium	ppm	ASTM D5185m	950	812		
Calcium	ppm	ASTM D5185m	1050	1423		
Phosphorus	ppm	ASTM D5185m	995	884		
Zinc	ppm	ASTM D5185m	1180	996		
Sulfur	ppm	ASTM D5185m	2600	3665		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	19		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	137		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7		
Nitration	Abs/cm	*ASTM D7624	>20	12.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.6		
FLUID DEGRAI			limit/base	current	history1	history2
					— HISTORY I	— HISTOLYZ
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.1		
Base Number (BN)	mg KOH/g	ASTM D2896		5.2		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 06237339 Unique Number : 11126173

: PCA0108003 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024 **Tested** : 17 Jul 2024

Diagnosed : 17 Jul 2024 - Wes Davis

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

 st - 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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