

OIL ANALYSIS REPORT

RT

Sample Rating Trend

WEAR

Jun 2024

Machine Id **338704**

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- QTS

DIAGNOSIS

Recommendation

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

Wear

Cylinder, crank, or cam shaft wear is indicated.

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.

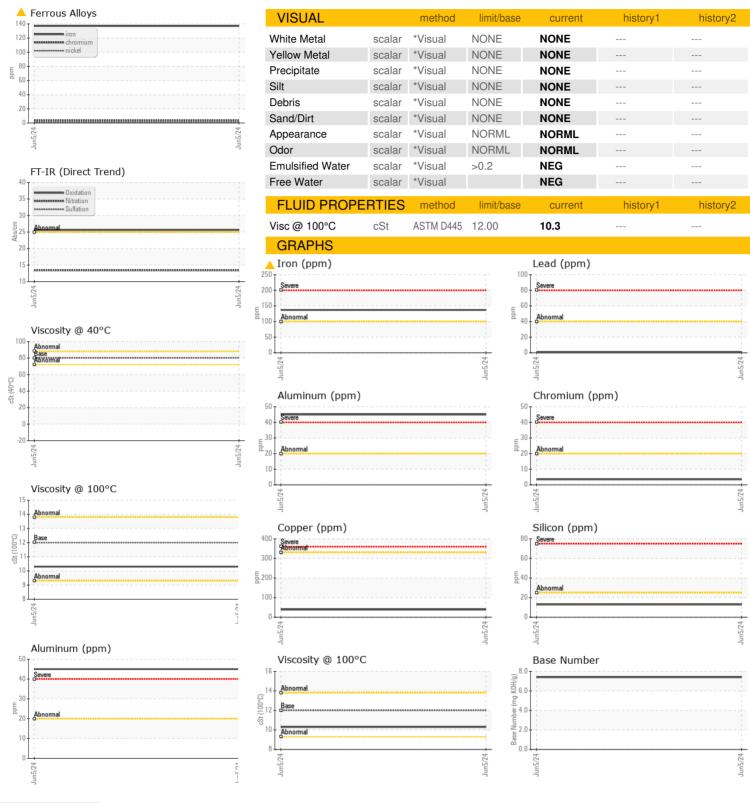
Fluid Condition

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

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TS)							
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PCA0120989			
Sample Date		Client Info		05 Jun 2024			
Machine Age	mls	Client Info		0			
Dil Age	mls	Client Info		0			
Oil Changed		Client Info		Changed			
Sample Status				ABNORMAL			
CONTAMINATIO	ON	method	limit/base	current	history1	history2	
uel		WC Method	>5	<1.0			
Vater		WC Method	>0.2	NEG			
Glycol		WC Method		NEG			
WEAR METALS		method	limit/base	current	history1	history2	
	ppm	ASTM D5185m	>100	<u></u> 137			
	ppm	ASTM D5185m		4			
	ppm	ASTM D5185m	>4	1			
	ppm	ASTM D5185m		<1			
	ppm	ASTM D5185m	>3	<1			
-	ppm	ASTM D5185m		45			
	ppm	ASTM D5185m	>40	<1			
	ppm	ASTM D5185m		39			
	ppm	ASTM D5105III	>15	5			
	ppm	ASTM D5105m	>10	ر <1			
	ppm	ASTM D5185m		<1			
ADDITIVES		method	limit/base	current	history1	history2	
	ppm	ASTM D5185m	2	19			
	ppm	ASTM D5185m	0	1			
	ppm	ASTM D5185m	50	50			
	ppm	ASTM D5185m	0	10			
-	ppm	ASTM D5185m	950	583			
	ppm	ASTM D5185m	1050	1737			
	ppm	ASTM D5185m	995	786			
	ppm	ASTM D5185m	1180	1022			
	ppm	ASTM D5185m	2600	2211			
CONTAMINANT		method	limit/base	current	history1	history2	
	ppm	ASTM D5185m	>25	13			
	ppm	ASTM D5185m	/20	6			
	ppm	ASTM D5185m	>20	90			
INFRA-RED		method	limit/base	current	history1	history2	
	%	*ASTM D7844	>3	0.9			
	Abs/cm	*ASTM D7624	>20	13.4			
	Abs/.1mm	*ASTM D7624	>30	25.0			
FLUID DEGRADA		method	limit/base	current	history1	history2	
	Abs/.1mm	*ASTM D7414	>25	25.6			
Base Number (BN)	mg KOH/g	ASTM D2896		7.4			



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Certificate 12367

Lab Number

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0120989

: 06225963 Unique Number : 11109456 Received : 02 Jul 2024 **Tested** : 05 Jul 2024 Diagnosed

: 05 Jul 2024 - Jonathan Hester

Test Package : MOB 1 (Additional Tests: TBN, KV40) 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)

MILLER TRUCK LEASING #114

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