

OIL ANALYSIS REPORT





PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Fluid

Machine Id 338 Component

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.

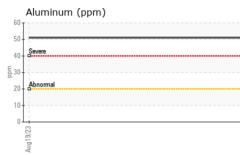
Fluid Condition

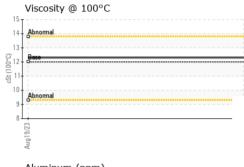
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

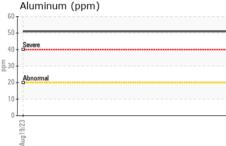
AL)				Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0103179		
Sample Date		Client Info		19 Aug 2023		
Machine Age	hrs	Client Info		1488		
Oil Age	hrs	Client Info		1488		
Dil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	77		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	51		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	12		
Tin	ppm	ASTM D5185m	>15	2		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	8		
Barium	ppm	ASTM D5185m	0	0		
Volybdenum	ppm	ASTM D5185m	50	25		
Vanganese	ppm	ASTM D5185m	0	2		
Magnesium	ppm	ASTM D5185m	950	981		
Calcium	ppm	ASTM D5185m	1050	1559		
Phosphorus	ppm	ASTM D5185m	995	942		
Zinc	ppm	ASTM D5185m	1180	1150		
Sulfur	ppm	ASTM D5185m	2600	3932		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	17		
Sodium	ppm	ASTM D5185m		7		
Potassium	ppm	ASTM D5185m	>20	131		
INFRA-RED		method	limit/base	current	history1	history2
	%	*ASTM D7844	>3	0.5		
Soot %	70					
		*ASTM D7624	>20	12.2		
Nitration	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>20 >30	12.2 26.0		
Nitration	Abs/cm Abs/.1mm	*ASTM D7415				
Soot % Nitration Sulfation FLUID DEGRAE Oxidation	Abs/cm Abs/.1mm	*ASTM D7415	>30	26.0		

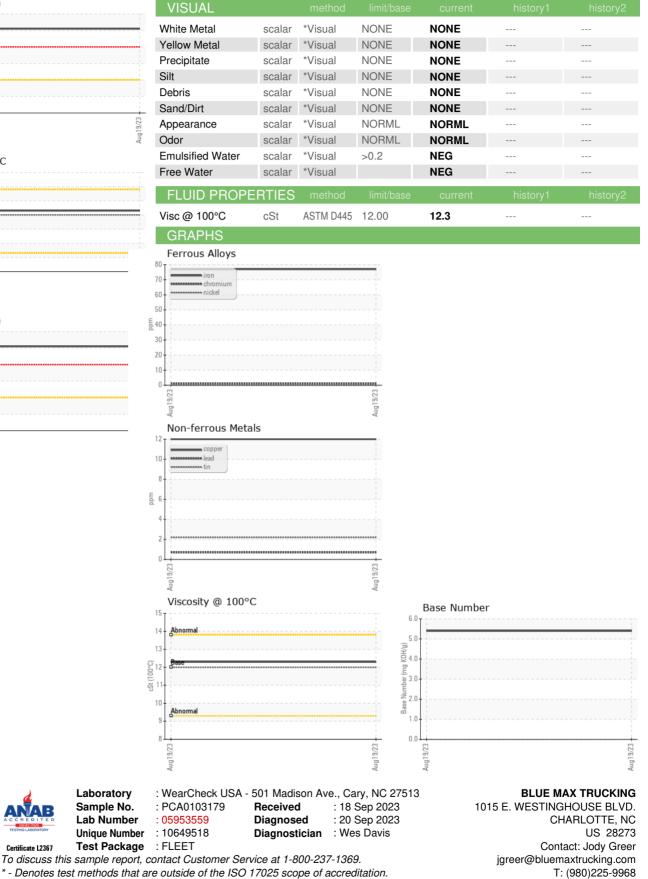


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Certificate L2367

F: (704)588-2901