

OIL ANALYSIS REPORT



Machine Id

INTERNATIONAL 6635

Diesel Engine Fluid

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

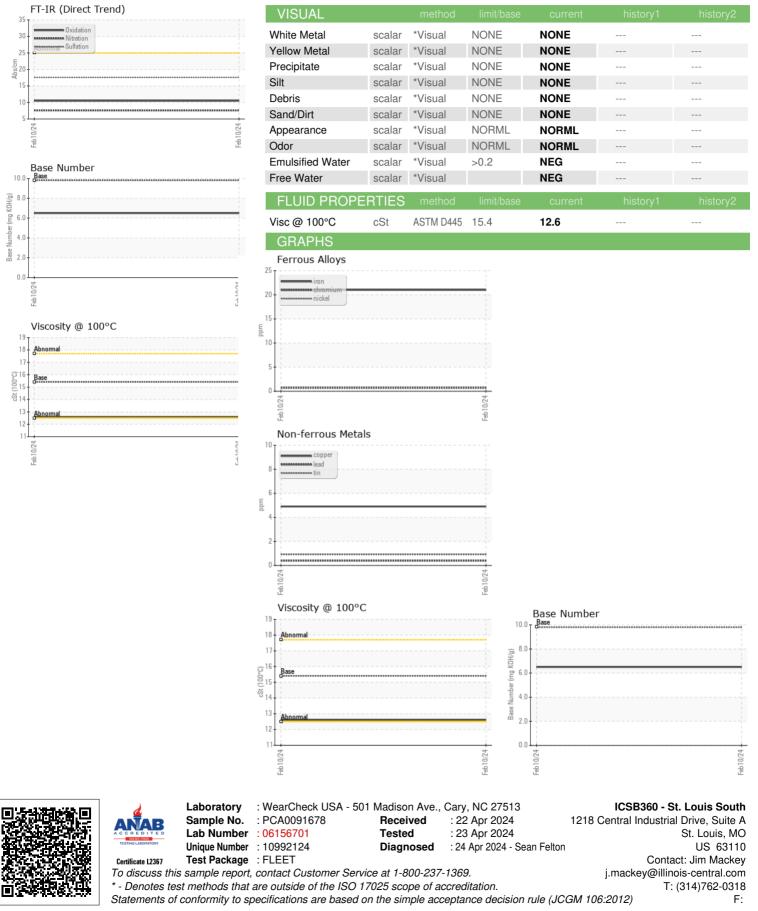
Fluid Condition

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

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0091678		
Sample Date		Client Info		10 Feb 2024		
Machine Age	mls	Client Info		50234		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>2.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method	. 0.1	NEG		
WEAR METAL	c	method	limit/base	-	history1	history2
				current	Thistory I	TIIStOL 22
Iron	ppm	ASTM D5185m	>100	21		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	4		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	5		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	15		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	13		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	85		
Calcium	ppm	ASTM D5185m	1070	2034		
Phosphorus	ppm	ASTM D5185m	1150	884		
Zinc	ppm	ASTM D5185m	1270	1003		
Sulfur	ppm	ASTM D5185m	2060	3643		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	5		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	7.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.6		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
				10.5		
Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414 ASTM D2896	>25 9.8			
Dase Number (DN)	mg KOH/g	A9 HVI D2090	9.8	6.5		



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