

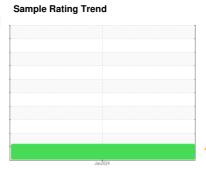
OIL ANALYSIS REPORT



CATERPILLAR 374 10561 (S/N TNX10036)

Component **Diesel Engine**

PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL)





DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

Metal levels are typical for a components first oil change.

Contamination

Light fuel dilution occurring.

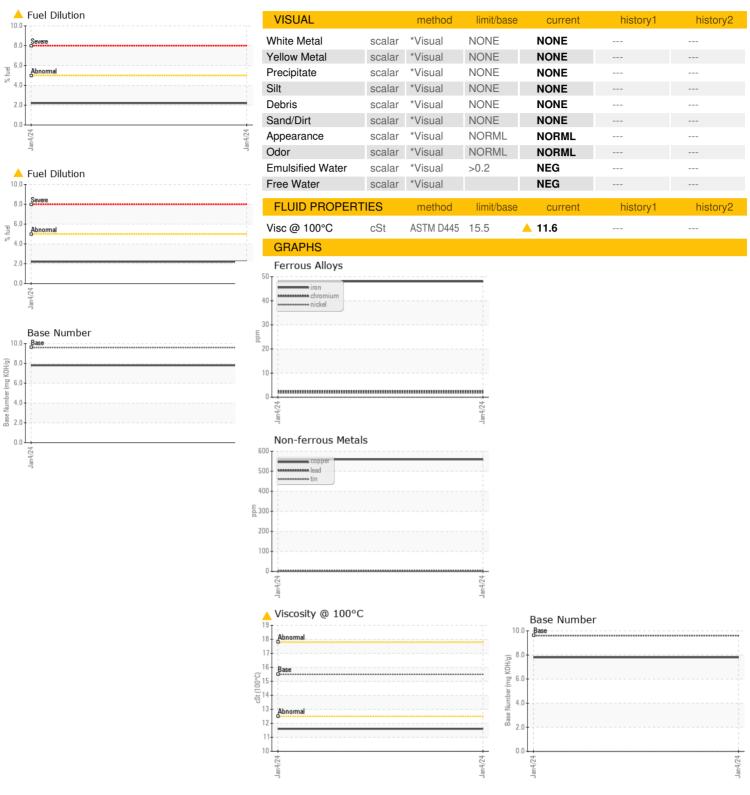
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.

SYN BLEND 15W40	(GAL)			Jan2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0879326		
Sample Date		Client Info		04 Jan 2024		
Machine Age	hrs	Client Info		918		
Oil Age	hrs	Client Info		918		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	48		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>2	2		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>25	22		
Lead	ppm	ASTM D5185m	>40	3		
Copper	ppm	ASTM D5185m	>330	559		
Tin	ppm	ASTM D5185m	>15	1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1	3		
Barium	ppm	ASTM D5185m	1	<1		
Molybdenum	ppm	ASTM D5185m	60	44		
Manganese	ppm	ASTM D5185m	1	2		
Magnesium	ppm	ASTM D5185m	1010	683		
Calcium	ppm	ASTM D5185m	1070	1507		
Phosphorus	ppm	ASTM D5185m	1150	942		
Zinc	ppm	ASTM D5185m	1270	1221		
Sulfur	ppm	ASTM D5185m	2060	2607		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	16		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	14		
Fuel	%	ASTM D3524	>5	<u>^</u> 2.2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	9.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.0		
Base Number (BN)	mg KOH/g	ASTM D2896	9.6	7.8		



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Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0879326 Recieved : 06059125

Diagnosed : 10830507 Diagnostician : Wes Davis

Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

: 12 Jan 2024

: 16 Jan 2024

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

* - 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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