

# **OIL ANALYSIS REPORT**





Sample Rating Trend



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

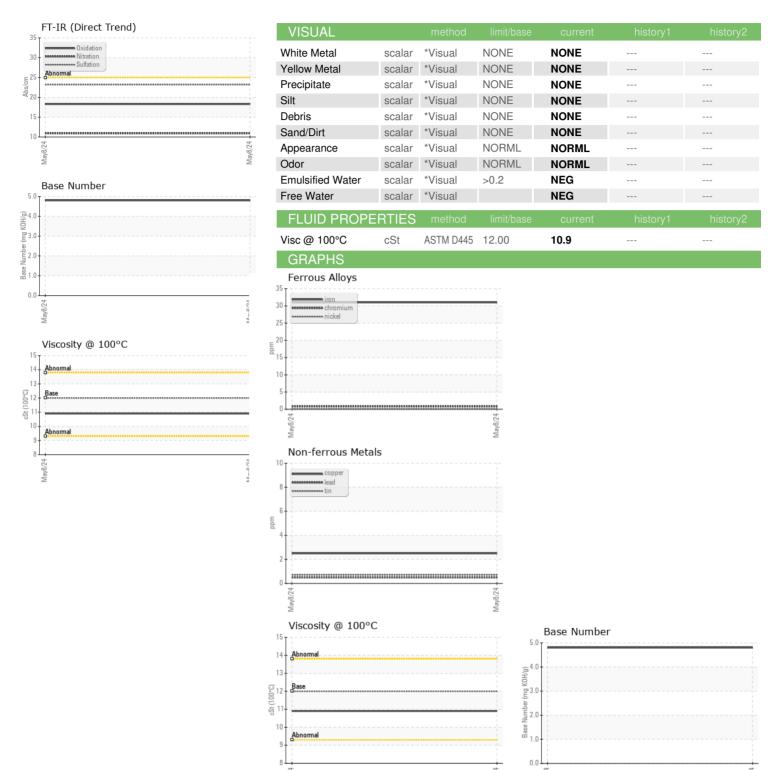
## **Fluid Condition**

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

iesel Engine <sup>uid</sup>							
ETRO CANADA DU		May/2024					
	SAMPLE INFOF	RMATION	method	limit/base	current	history1	history2
		IIVIATION	Client Info	iiiiii basc	PCA0102306	•	
e interval to monitor.	Sample Number						
	Sample Date	lawa	Client Info		08 May 2024		
1	Machine Age	hrs	Client Info		205643		
e normal.	Oil Age	hrs	Client Info		Ohammad		
	Oil Changed		Client Info		Changed NORMAL		
contamination in the	Sample Status				-		
	CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
nere is suitable	Fuel		WC Method	>3.0	<1.0		
. The condition of the ice.	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	WEAR METAI	_S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	31		
	Chromium	ppm	ASTM D5185m	>20	<1		
	Nickel	ppm	ASTM D5185m	>5	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>20	10		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m		- <1		
	Vanadium	ppm	ASTM D5185m		0		
	Cadmium	ppm	ASTM D5185m		0		
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	2	2		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m	50	67		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m	950	871		
	Calcium	ppm	ASTM D5185m	1050	1140		
			ASTM D5185m	995	965		
	Phosphorus Zinc	ppm	ASTM D5185m		1189		
	Sulfur	ppm	ASTM D5185m		3058		
	CONTAMINA		method	limit/base		history1	history2
	Silicon		ASTM D5185m		8		
	Sodium	ppm	ASTM D5185m	/LJ	2		
	Potassium	ppm	ASTM D5185m	>20	11		
	INFRA-RED	I. I	method	limit/base		history1	history2
	Soot %	%	*ASTM D7844		0.9	,	,
	Nitration	% Abs/cm	*ASTM D7624				
	Sulfation	Abs/.1mm	*ASTM D7624		10.9 23.2		
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3		
	Base Number (BN)	mg KOH/g	ASTM D2896		4.8		



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

**Lab Number** : 06175300 Unique Number : 11021353 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0102306

Received Tested Diagnosed

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: 10 May 2024 : 13 May 2024 : 13 May 2024 - Wes Davis

411 QUARRY ROAD GREENWOOD, SC US 29149

NW WHITE & CO - GREENWOOD DIVISION

Contact: Mitchell Brown greenwoodshop@nwwhite.com

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.

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