

OIL ANALYSIS REPORT

Sample Rating Trend **WEAR**

112301 - VOLVO 350 EXCAVATOR

Component **Diesel Engine**

PETRO CANADA DURON ADVANCED 10W30 (

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

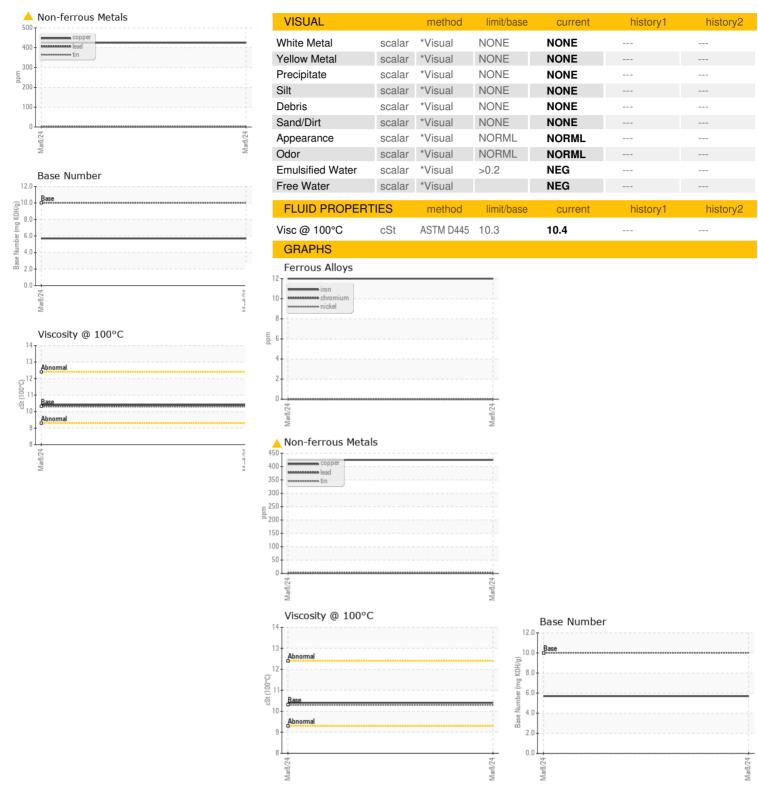
Fluid Condition

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

Sample Date Client Info 08 Mar 2024 Machine Age hrs Client Info 654 Oil Age hrs Client Info Changed Oil Changed Client Info Changed Sample Status Method Section CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0 Glycol WC Method >0.2 NEG Glycol WC Method >0.2 0 Iron ppm ASTM 05185m >10 0	30 (GAL)				Mar2024		
Sample Date Client Info 08 Mar 2024 Machine Age hrs Client Info 654 Oil Age hrs Client Info 654 Oil Changed Client Info Changed Sample Status Client Info Changed CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5.2 <1.0 Water WC Method >0.2 NEG Glycol WC Method NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >10.0 Chromium ppm ASTM D5185m >4 0 Silver ppm ASTM D5185m >3 0	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
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Oil Changed Sample Status Client Info Changed ABNORMAL	Machine Age	hrs	Client Info		654		
ABNORMAL	Oil Age	hrs	Client Info		654		
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Oxidation	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8		
	FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 10.0 5.7	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.3		
	Base Number (BN)	mg KOH/g	ASTM D2896	10.0	5.7		



OIL ANALYSIS REPORT







Laboratory Sample No.

: SBP0005710 Lab Number : 06124153 Unique Number : 10938304 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Mar 2024 **Tested** : 21 Mar 2024

Diagnosed

: 23 Mar 2024 - Don Baldridge

1815 Y Street Lincoln, NE US 68508 Contact: Loren Michael

Constructors Inc. - 603659

Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. LorenM@constructorslincoln.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (402)434-2157 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Submitted By: Loren Michael