

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

442201 - FREIGHTLINER TACK TRUCK

Diesel Engine

PETRO CANADA 10W30 (--- GAL)

		IS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

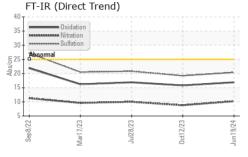
Fluid Condition

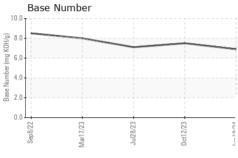
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

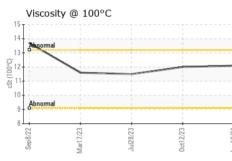
		Sep 2022	Mar2023	Jul2023 Oct2023	Jun2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0006617	SBP0004862	SBP0004753
Sample Date		Client Info		19 Jun 2024	12 Oct 2023	28 Jul 2023
Machine Age	hrs	Client Info		2811	2219	1648
Oil Age	hrs	Client Info		279	571	628
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	31	30	43
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	2	4
Lead	ppm	ASTM D5185m	>40	2	0	0
Copper	ppm	ASTM D5185m	>330	7	3	11
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	0	4
Barium	ppm	ASTM D5185m		0	3	1
Molybdenum	ppm	ASTM D5185m		61	58	57
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m		987	877	863
Calcium	ppm	ASTM D5185m		1162	994	1102
Phosphorus	ppm	ASTM D5185m		1032	883	913
Zinc	ppm	ASTM D5185m		1322	1110	1164
Sulfur	ppm	ASTM D5185m		3719	2641	2877
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	7	10
Sodium	ppm	ASTM D5185m		2	3	<1
Potassium	ppm	ASTM D5185m	>20	8	4	10
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9	0.7	1
Nitration	Abs/cm	*ASTM D7624	>20	10.2	8.8	10.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4	19.2	20.8
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.9	15.8	16.9
Base Number (BN)	mg KOH/g	ASTM D2896		6.9	7.5	7.1
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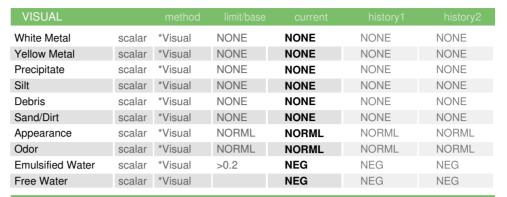


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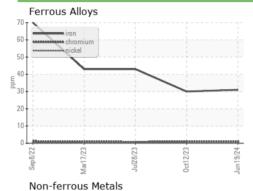


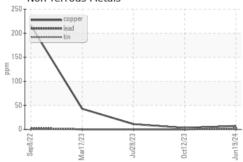


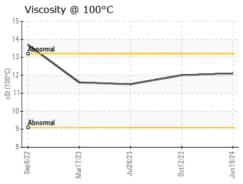


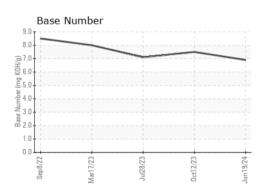
FLUID PROPER	RTIES	method			history2
Visc @ 100°C	cSt	ASTM D445	12.1	12.0	11.5

GRAPHS













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : SBP0006617 Lab Number : 06219007 Unique Number : 11097204 Test Package : FLEET

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

Received **Tested**

: 24 Jun 2024 : 26 Jun 2024

Diagnosed : 26 Jun 2024 - Wes Davis

US 68508 Contact: Loren Michael LorenM@constructorslincoln.com

* - 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)

Report Id: CONLINNE [WUSCAR] 06219007 (Generated: 06/29/2024 19:41:46) Rev: 1

Submitted By: Loren Michael

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