WEAR
CONTAMINATION
FLUID CONDITION

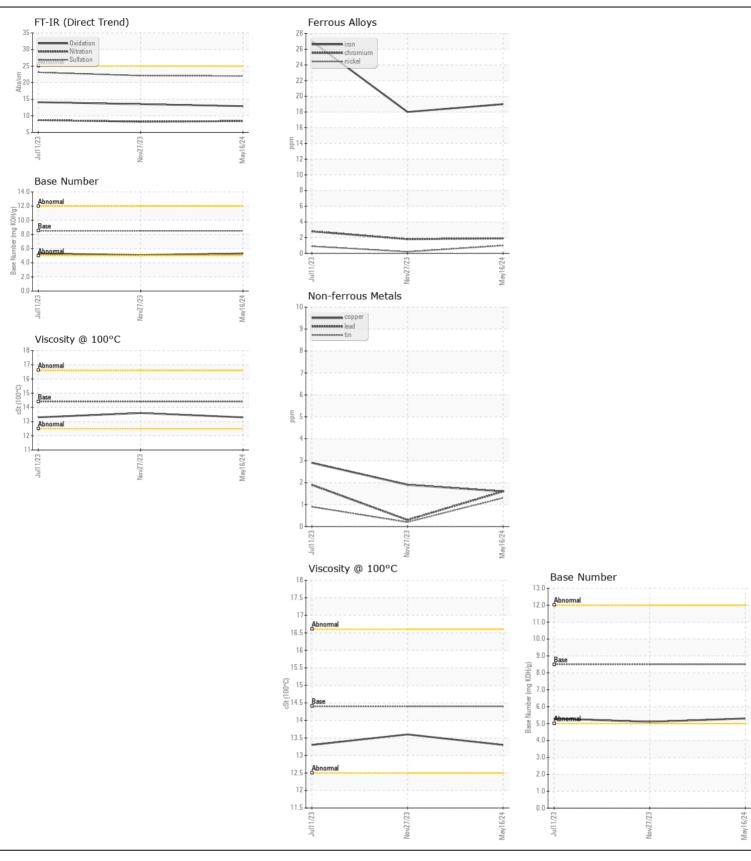
NORMAL NORMAL NORMAL

Machine Id

KENWORTH T880 T-887 (S/N 1XKZD40X3PJ225506)

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TIEGOWIWIENDATION	Sample Number	JOIVI	Client Info	Entity/AUT	WC0934701	-	WC0804169
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		16 May 2024	27 Nov 2023	11 Jul 2023
	Machine Age	mls	Client Info		0	92863	70188
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m		19	18	27
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		2	2	3
	Nickel	ppm	ASTM D5185m	>4	1	<1	<1
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m		1	<1	0
	Aluminum	ppm	ASTM D5185m		10	12	21
	Lead	ppm	ASTM D5185m		2	<1	2
	Copper	ppm	ASTM D5185m		2	2	3
	Tin	ppm	ASTM D5185m	>15	1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	8	7	10
OUTTAMINATION	Potassium	ppm	ASTM D5185m		22	30	48
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.4	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	8.4	8.2	8.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0	22.1	23.1
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	7	7
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		2	0	0
oil. The condition of the oil is suitable for further service.	Barium	ppm		10	<1	0	0
	Molybdenum	ppm	ASTM D5185m	100	5	2	4
	Manganese	ppm	ASTM D5185m		1	<1	1
	Magnesium	ppm	ASTM D5185m		69	61	59
	Calcium	ppm	ASTM D5185m		2296	2371	2502
	Phosphorus	ppm	ASTM D5185m		935	935	939
	Zinc	ppm	ASTM D5185m		1097	1143	1110
	Sulfur Oxidation	ppm	ASTM D5185m		3658	3695	4313
	()VIGOTION	Abs/.1mm	*ASTM D7414	>25	12.9	13.5	14.1
	Base Number (BN)		ASTM D2896		5.3	5.1	5.3







Laboratory Sample No. Unique Number : 11048780

: WC0934701 Lab Number : 06192028

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 May 2024

Tested : 29 May 2024 Diagnosed : 29 May 2024 - Wes Davis

24024 FREDERICK ROAD

EAI EQUIPMENT A DIIV OF PLEASANT CONSTRUCTION INC

CLARKSBURG, MD US 20871 Contact: Service Manager

Test Package : CONST (Additional Tests: TBN) 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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