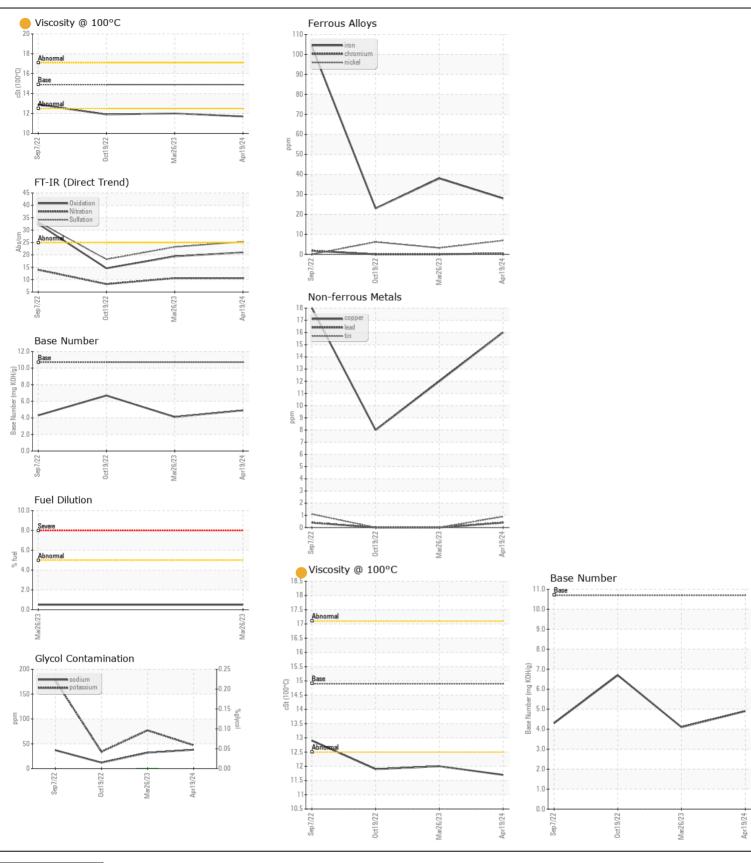
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL ATTENTION

Machine Id

KENWORTH 3155

Diesel Engine							
CHEVRON DELO 400 XLE 15W40 (44 QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
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.	Sample Number		Client Info		WCMFB92794	WCMFB92812	WCMFB92526
	Sample Date		Client Info		19 Apr 2024	26 Mar 2023	19 Oct 2022
	Machine Age	mls	Client Info		218430	171236	128340
	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		Changed	Changed	Changed
	Sample Status				ATTENTION	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	28	38	23
WEAT	Chromium	ppm	ASTM D5185m		<1	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		7	3	6
	Titanium	ppm	ASTM D5185m	- '	<1	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		18	33	13
	Lead	ppm	ASTM D5185m		<1	0	0
	Copper	ppm	ASTM D5185m		16	12	8
	Tin	ppm	ASTM D5185m		<1	0	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		8	8	6
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.	Potassium	ppm	ASTM D5185m		47	77	34
	Fuel	%	ASTM D3524		<1.0	0.5	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	%	*ASTM D2982	•	NEG	0.0	NEG
	Soot %	%	*ASTM D7844		0.5	0.5	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	10.6	10.6	8.2
	Sulfation	Abs/.1mm	*ASTM D7415		25.3	23.2	18.2
	Silt	scalar	*Visual	NONE	NONE NONE	NONE NONE	NONE
	Debris Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		38	32	12
The oil vigosoity is lower than normal. The DN vesselt indicates the	Boron	ppm	ASTM D5185m		27	32	85
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		18	14	10
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		689	823	778
	Calcium	ppm	ASTM D5185m		1387	1595	1530
	Phosphorus	ppm	ASTM D5185m		706	803	773
	Zinc	ppm		830	857	974	956
	Sulfur	ppm	ASTM D5185m		3026	3477	3536
	Oxidation	Abs/.1mm	*ASTM D7414		21.0	19.4	14.6
	Base Number (BN)	0 0	ASTM D2896		4.9	4.1	6.7
	Visc @ 100°C	cSt	ASTM D445	14.9	11.7	12.0	11.9







Certificate L2367

Report Id: LTIJER [WUSCAR] 06178044 (Generated: 05/15/2024 20:11:09) Rev: 1

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WCMFB92794 Lab Number : 06178044

Unique Number : 11029370

Received **Tested**

: 15 May 2024 Diagnosed

: 15 May 2024 - Sean Felton

: 13 May 2024

Test Package: FLEET (Additional Tests: FuelDilution, Glycol) 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.

JEROME, ID US 83338 Contact: Cesar ESPINO cespino@lynden.com T: (208)731-3822

LTI/MILKY WAY - JEROME

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (208)324-1176

P.O. BOX 348