



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KENWORTH 755
Component
Diesel Engine
Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (20 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0844197	WC0707305	WC0615105
Sample Date		Client Info		29 Nov 2023	25 May 2022	13 Jan 2022
Machine Age	hrs	Client Info		175354	8078	140875
Oil Age	hrs	Client Info		15000	450	450
Filter Age	hrs	Client Info		15000	0	450
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	31	19	24
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m		66	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	9	5	6
Lead	ppm	ASTM D5185m	>40	<1	1	<1
Copper	ppm	ASTM D5185m	>330	2	2	2
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

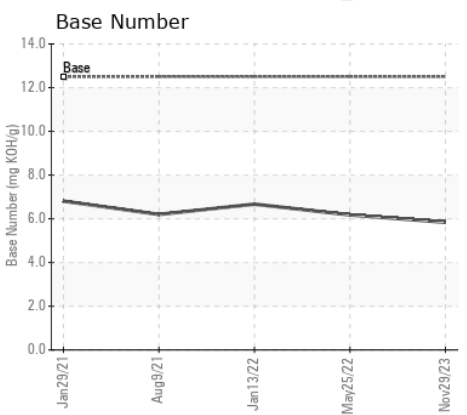
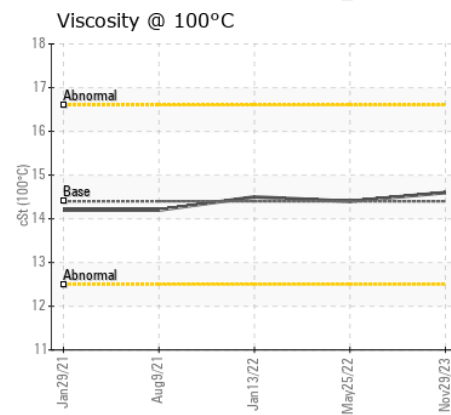
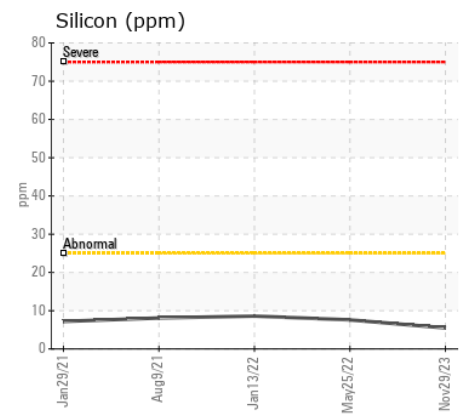
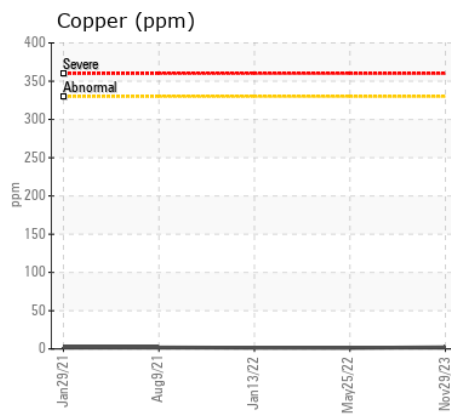
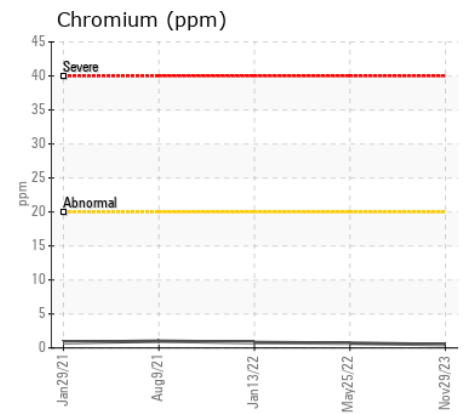
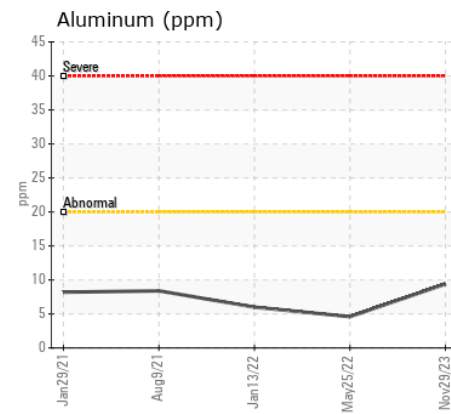
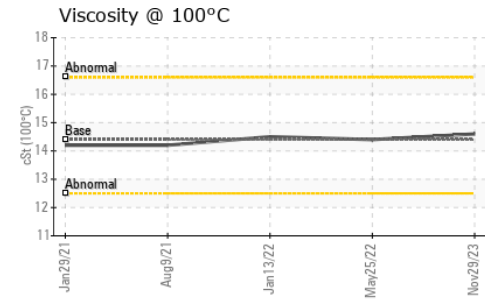
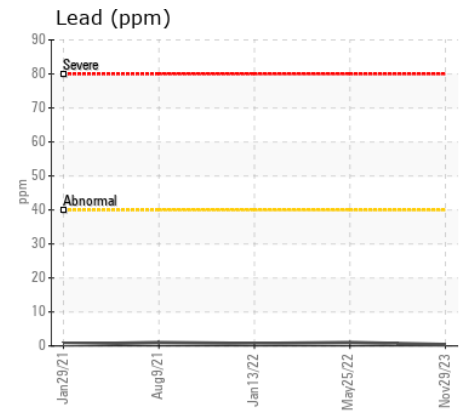
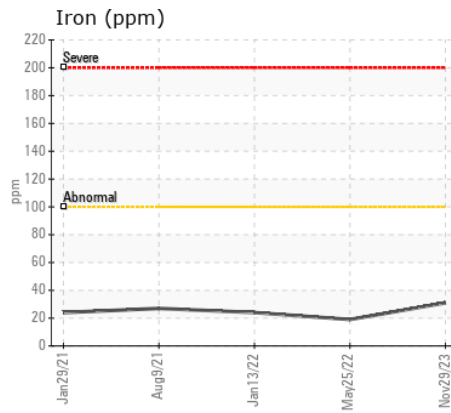
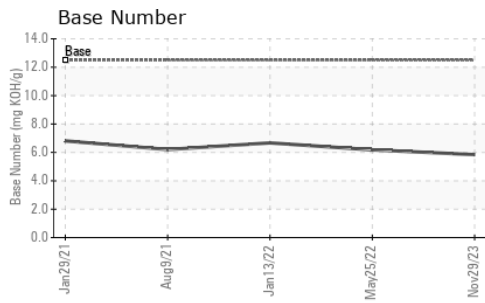
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	6	8	9
Potassium	ppm	ASTM D5185m	>20	19	3	12
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.9	0.7	0.6
Nitration	Abs/cm	*ASTM D7624	>20	12.3	11.6	12.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.2	23.8	24.6
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

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

Sodium	ppm	ASTM D5185m		1	2	7
Boron	ppm	ASTM D5185m	151	39	53	103
Barium	ppm	ASTM D5185m	0.4	0	0	0
Molybdenum	ppm	ASTM D5185m	250	4	9	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	505	696	776
Calcium	ppm	ASTM D5185m	2046	1595	1404	1524
Phosphorus	ppm	ASTM D5185m	1043	926	689	820
Zinc	ppm	ASTM D5185m	943	1104	819	901
Sulfur	ppm	ASTM D5185m	5012	3466	2807	3067
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.6	18.8	20.1
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	5.84	6.18	6.67
Visc @ 100°C	cSt	ASTM D445	14.4	14.6	14.4	14.5



Certificate L2367

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

Sample No. : WC0844197

Lab Number : 06077815

Unique Number : 10859906

Test Package : MOB 2

Received : 01 Feb 2024

Tested : 02 Feb 2024

Diagnosed : 04 Feb 2024 - Don Baldrige

LYNDEN TRANSPORT - FIFE

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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)