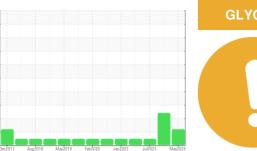


OIL ANALYSIS REPORT

Sample Rating Trend



GLYCOL

Machine Id

KENWORTH 3948

Diesel Engine

CHEVRON DELO 400 XLE 10W30 (44 QTS)

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels remain elevated. Test for glycol is negative.

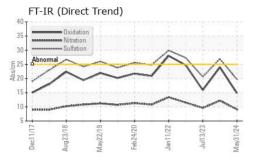
Fluid Condition

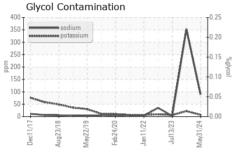
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

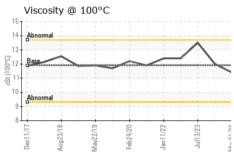
		Dec2017	Aug2018 May2019	Feb 2020 Jan 2022 Jul 2023	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0906857	WC0909935	WC0754173
Sample Date		Client Info		31 May 2024	26 Mar 2024	13 Jul 2023
Machine Age	mls	Client Info		396049	385330	339868
Oil Age	mls	Client Info		10721	45422	47486
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	NORMAL
CONTAMINATION	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
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	8	30	5
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	10	5
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	8	16	3
Tin	ppm	ASTM D5185m	>15	0	2	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		49	12	35
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		18	47	1
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		777	788	755
Calcium	ppm	ASTM D5185m	2900	1544	1468	1342
Phosphorus	ppm	ASTM D5185m	1100	785	785	723
Zinc	ppm	ASTM D5185m	1200	905	869	842
Sulfur	ppm	ASTM D5185m	4000	3616	3371	2981
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	11	6
Sodium	ppm	ASTM D5185m		89	△ 353	2
Potassium	ppm	ASTM D5185m	>20	7	<u>^</u> 22	6
Glycol	%	*ASTM D2982		NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.5	0.3
Nitration	Abs/cm	*ASTM D7624	>20	9.1	12.2	9.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	26.9	20.6
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.8	24.0	15.9
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	6.8	4.5	6.6

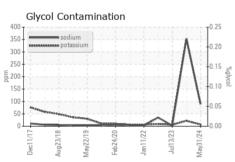


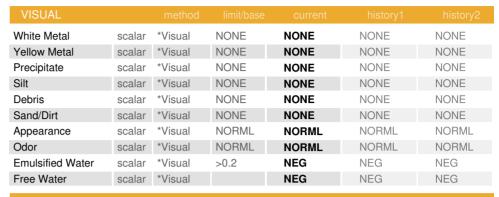
OIL ANALYSIS REPORT





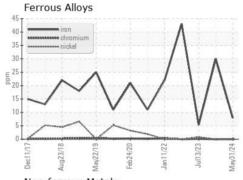


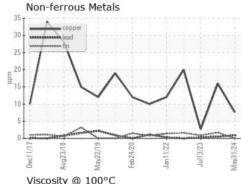


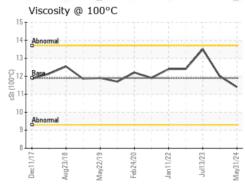


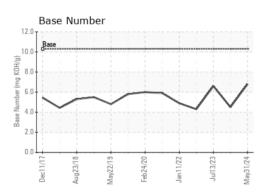
FLUID PHOPENTIES						
Visc @ 100°C	cSt	ASTM D445	11.9	11.4	12.0	13.5

GRAPHS













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0906857 Lab Number : 06205879 Unique Number : 11073340

Received **Tested**

Diagnosed Test Package : FLEET (Additional Tests: Glycol)

: 13 Jun 2024 : 13 Jun 2024 - Jonathan Hester

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

: 10 Jun 2024

SUNNYSIDE, WA US 98944 Contact: Barbara Kluever bkluever@lynden.com T: (509)839-5844

333 MIDVALE RD

F: (509)839-6556

LTI/MILKY WAY - SUNNYSIDE

 st - 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)