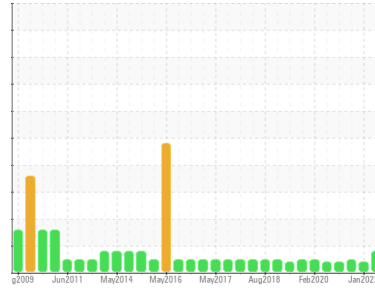




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
PETERBILT 7708H

Component
Hydraulic System

Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (60 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		KL0012920	KL0007901	KL0006508
Sample Date	Client Info		06 Sep 2023	20 Jan 2022	19 Aug 2021
Machine Age	mls	Client Info	48511	45889	42492
Oil Age	mls	Client Info	0	0	42492
Oil Changed	Client Info		N/A	Not Changd	N/A
Sample Status			ATTENTION	ATTENTION	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	20	22	20
Chromium	ppm	ASTM D5185m >10	18	18	18
Nickel	ppm	ASTM D5185m >10	0	0	0
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	0	<1	0
Aluminum	ppm	ASTM D5185m >10	2	8	8
Lead	ppm	ASTM D5185m >10	3	4	3
Copper	ppm	ASTM D5185m >75	31	33	35
Tin	ppm	ASTM D5185m >10	2	2	2
Antimony	ppm	ASTM D5185m	---	<1	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 151	198	171	206
Barium	ppm	ASTM D5185m 0.4	0	0	0
Molybdenum	ppm	ASTM D5185m 250	60	55	60
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m 0	683	538	587
Calcium	ppm	ASTM D5185m 2046	1324	1281	1444
Phosphorus	ppm	ASTM D5185m 1043	1007	929	1047
Zinc	ppm	ASTM D5185m 943	1191	1121	1239
Sulfur	ppm	ASTM D5185m 5012	3631	3240	3186

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	19	19	20
Sodium	ppm	ASTM D5185m	4	4	5
Potassium	ppm	ASTM D5185m >20	2	3	2

FLUID CLEANLINESS

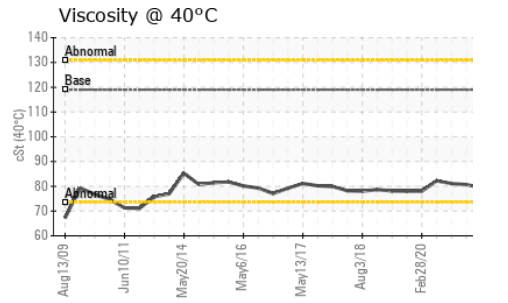
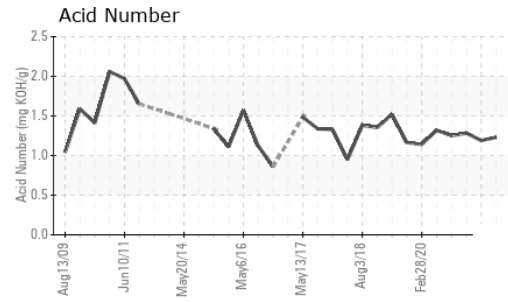
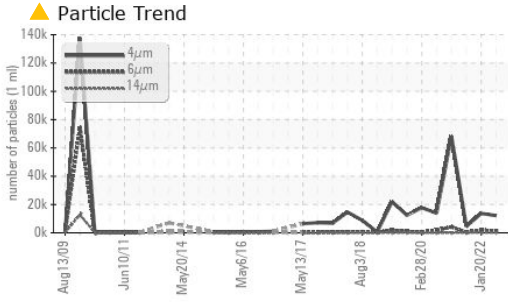
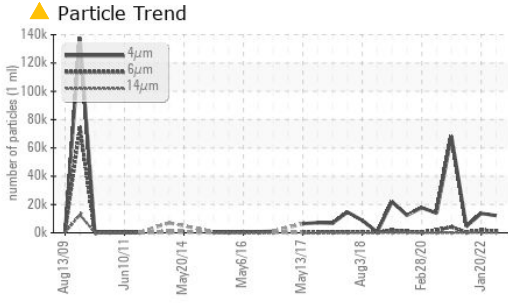
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		12172	13710	4478
Particles >6µm	ASTM D7647	>1300	▲ 1304	▲ 1921	363
Particles >14µm	ASTM D7647	>160	22	85	13
Particles >21µm	ASTM D7647	>40	3	10	1
Particles >38µm	ASTM D7647	>10	0	1	0
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>17/14	▲ 18/12	▲ 18/14	16/11

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.23	1.19	1.283



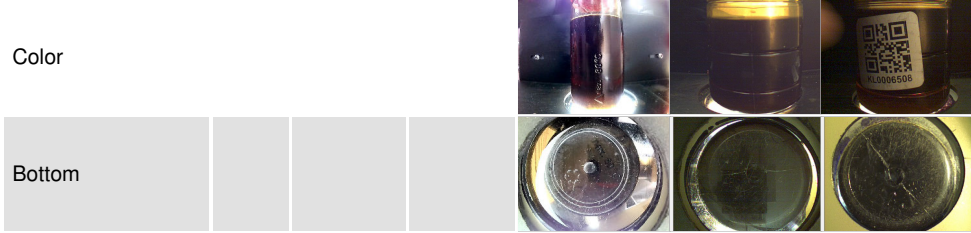
OIL ANALYSIS REPORT



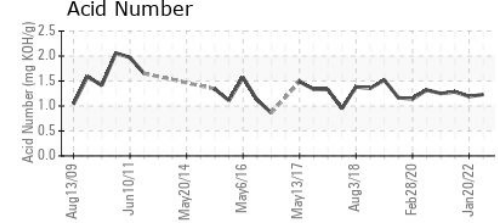
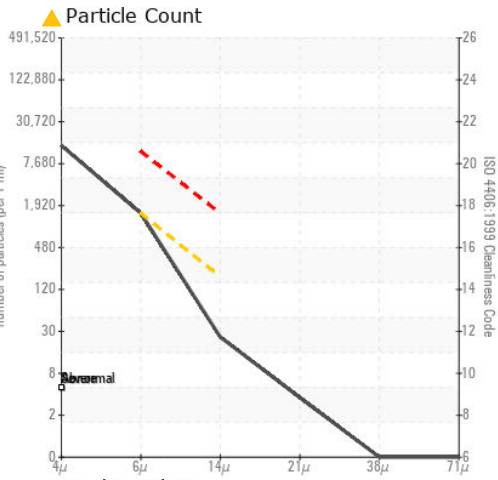
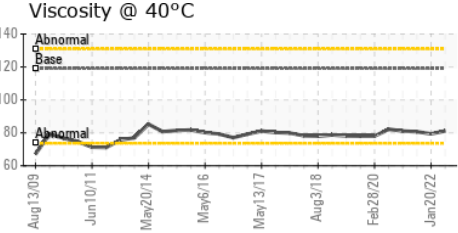
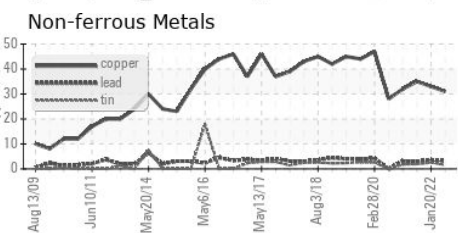
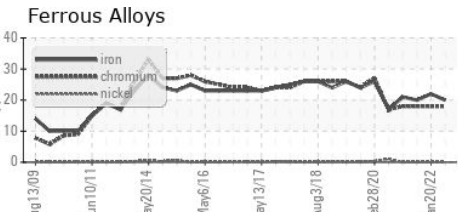
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	119	81.2	79.4

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0012920 **Received** : 29 Sep 2023
Lab Number : 05965351 **Diagnosed** : 02 Oct 2023
Unique Number : 10671902 **Diagnostician** : Don Baldrige
Test Package : MOB 2

VILLAGE OF RUIDOSO
 313 CREE MEADOWS DR
 RUIDOSO, NM
 US 88355
 Contact: JERRY PARSONS
 jerryparsons@ruidoso-nm.gov
 T: (575)257-1702
 F: x:

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)