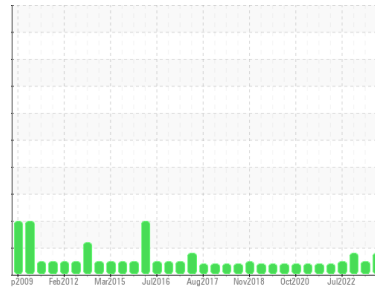




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
2007 PETERBILT 9628H

Component
Hydraulic System

Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (40 GAL)

DIAGNOSIS

▲ Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a light 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		KL0012922	KL0011854	KL0009714
Sample Date	Client Info		06 Sep 2023	03 May 2023	13 Jan 2023
Machine Age	mls	Client Info	12733	427954	419989
Oil Age	mls	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ATTENTION	NORMAL	ATTENTION

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	3	4	4
Chromium	ppm	ASTM D5185m >10	<1	<1	<1
Nickel	ppm	ASTM D5185m >10	0	<1	0
Titanium	ppm	ASTM D5185m	0	<1	<1
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m >10	2	10	8
Lead	ppm	ASTM D5185m >10	1	2	2
Copper	ppm	ASTM D5185m >75	10	10	11
Tin	ppm	ASTM D5185m >10	<1	1	<1
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	<1	1	1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 151	327	297	269
Barium	ppm	ASTM D5185m 0.4	0	0	4
Molybdenum	ppm	ASTM D5185m 250	52	54	52
Manganese	ppm	ASTM D5185m	0	<1	<1
Magnesium	ppm	ASTM D5185m 0	377	418	362
Calcium	ppm	ASTM D5185m 2046	1374	1443	1374
Phosphorus	ppm	ASTM D5185m 1043	888	961	908
Zinc	ppm	ASTM D5185m 943	1049	1137	1073
Sulfur	ppm	ASTM D5185m 5012	3492	4351	4115

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	6	7	7
Sodium	ppm	ASTM D5185m	<1	1	2
Potassium	ppm	ASTM D5185m >20	0	2	<1

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		9659	9942	12836
Particles >6µm	ASTM D7647	>1300	▲ 1443	971	▲ 2021
Particles >14µm	ASTM D7647	>160	28	15	47
Particles >21µm	ASTM D7647	>40	3	4	7
Particles >38µm	ASTM D7647	>10	0	0	1
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>17/14	▲ 18/12	17/11	▲ 18/13

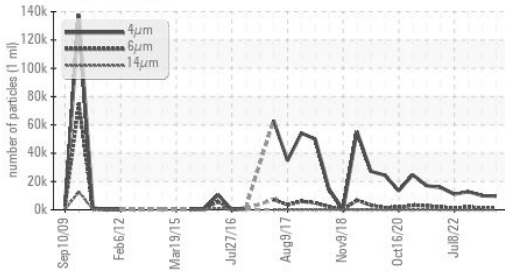
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.42	1.38	1.36

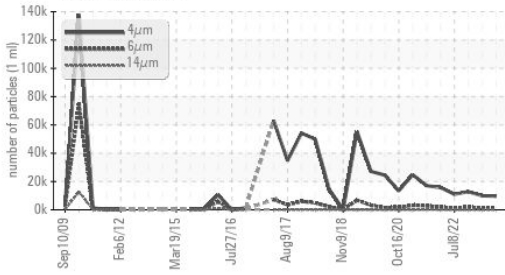


OIL ANALYSIS REPORT

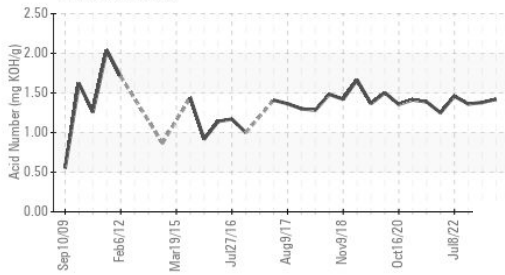
▲ Particle Trend



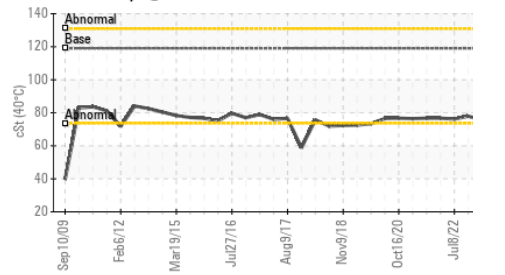
▲ Particle Trend



Acid Number



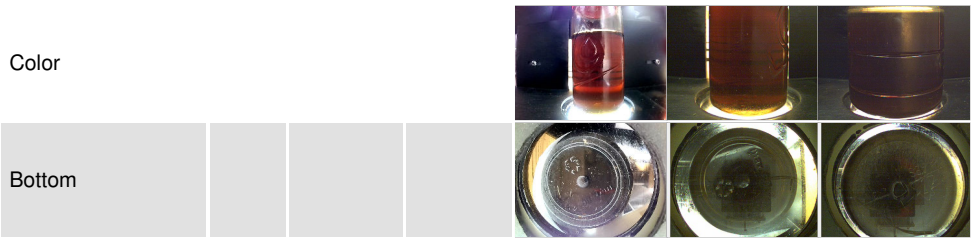
Viscosity @ 40°C



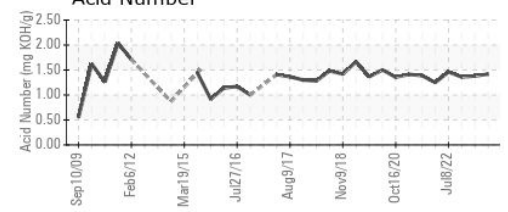
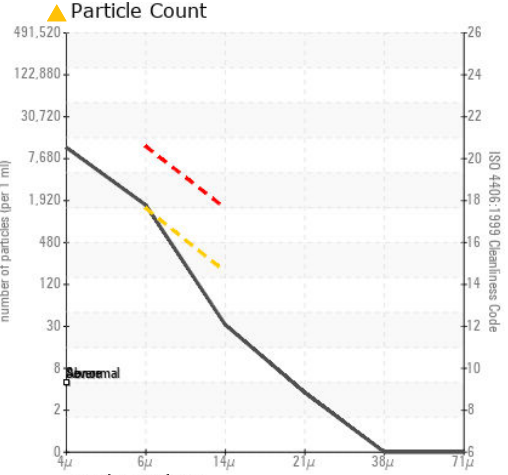
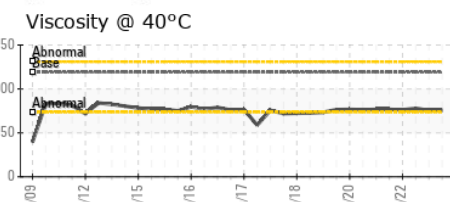
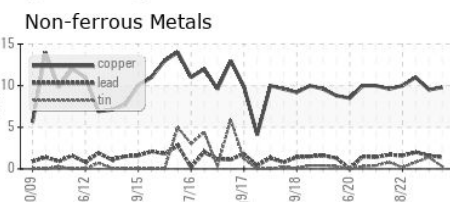
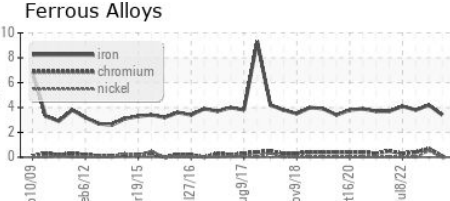
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	75.7	75.6	77.9

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : KL0012922 Received : 29 Sep 2023
 Lab Number : 05965349 Diagnosed : 02 Oct 2023
 Unique Number : 10671900 Diagnostician : Wes Davis
 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:

Certificate L2367
 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)