



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
2007 PETERBILT 9628H

Component
Hydraulic System

Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (40 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KL0013880	KL0012922	KL0011854
Sample Date		Client Info		14 Feb 2024	06 Sep 2023	03 May 2023
Machine Age	mls	Client Info		441171	12733	427954
Oil Age	mls	Client Info		0	0	0
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	3	3	4
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	7	2	10
Lead	ppm	ASTM D5185m	>10	2	1	2
Copper	ppm	ASTM D5185m	>75	10	10	10
Tin	ppm	ASTM D5185m	>10	0	<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

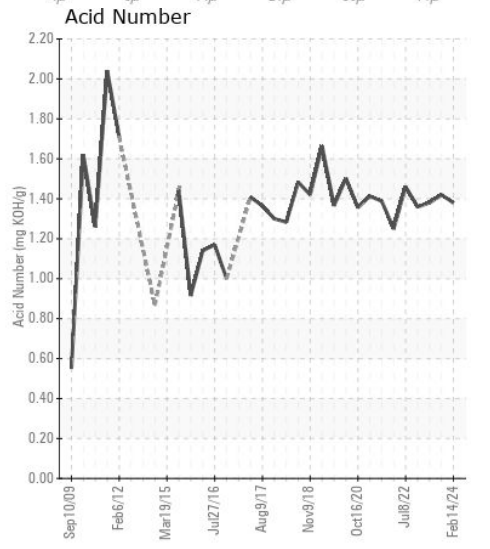
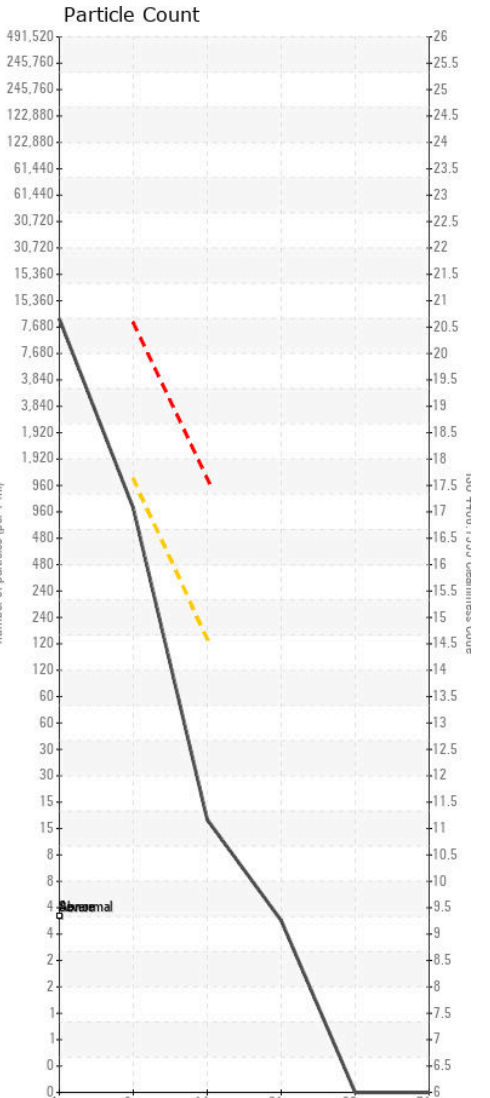
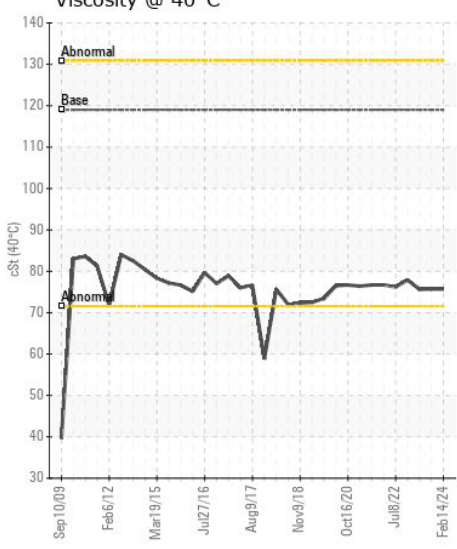
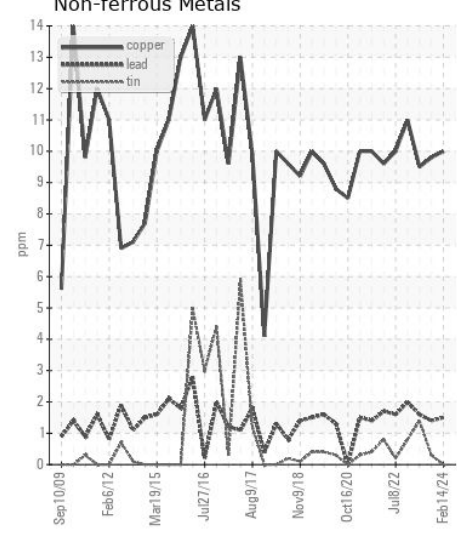
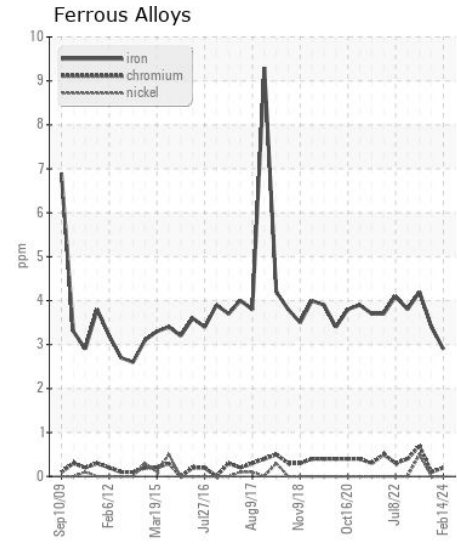
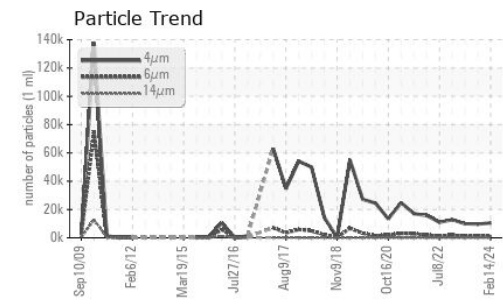
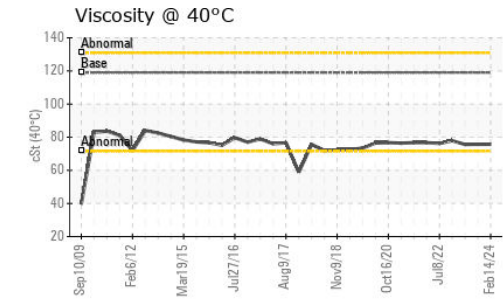
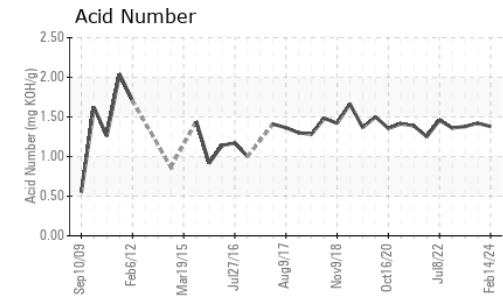
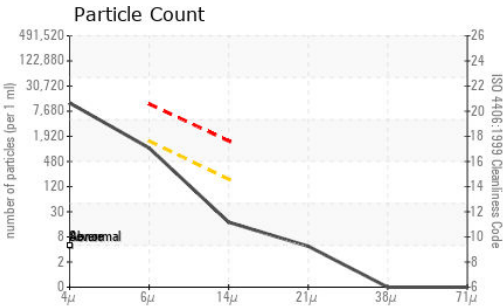
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	7	6	7
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		10544	9659	9942
Particles >6µm		ASTM D7647	>1300	884	1443	971
Particles >14µm		ASTM D7647	>160	15	28	15
Particles >21µm		ASTM D7647	>40	4	3	4
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/14	17/11	18/12	17/11
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	<1	1
Boron	ppm	ASTM D5185m	151	248	327	297
Barium	ppm	ASTM D5185m	0.4	0	0	0
Molybdenum	ppm	ASTM D5185m	250	53	52	54
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	0	392	377	418
Calcium	ppm	ASTM D5185m	2046	1412	1374	1443
Phosphorus	ppm	ASTM D5185m	1043	903	888	961
Zinc	ppm	ASTM D5185m	943	1095	1049	1137
Sulfur	ppm	ASTM D5185m	5012	3440	3492	4351
Acid Number (AN)	mg KOH/g	ASTM D8045		1.38	1.42	1.38
Visc @ 40°C	cSt	ASTM D445	119	75.7	75.7	75.6



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0013880
Lab Number : 06105179
Unique Number : 10903409
Test Package : MOB 2
Received : 29 Feb 2024
Tested : 01 Mar 2024
Diagnosed : 01 Mar 2024 - Wes Davis

VILLAGE OF RUIDOSO
 313 CREE MEADOWS DR
 RUIDOSO, NM
 US 88355
 Contact: JERRY PARSONS
 jerryparsons@ruidoso-nm.gov
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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)