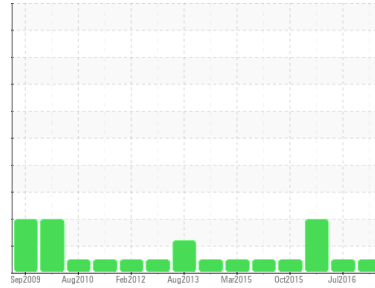




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**2007 PETERBILT 9628H**

Component  
**Hydraulic System**

Fluid  
**CHEVRON DELO 400 MULTIGRADE 15W40 (40 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

### 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		<b>KLM2316358</b>	KLM2335349	KLM2322591
Sample Date	Client Info		<b>21 Oct 2016</b>	27 Jul 2016	20 Jan 2016
Machine Age	mls	Client Info	<b>254486</b>	235765	235748
Oil Age	mls	Client Info	<b>40097</b>	21376	0
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>4</b>	3	4
Chromium	ppm	ASTM D5185m >10	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >10	<b>8</b>	8	9
Lead	ppm	ASTM D5185m >10	<b>2</b>	<1	3
Copper	ppm	ASTM D5185m >75	<b>12</b>	11	14
Tin	ppm	ASTM D5185m >10	<b>4</b>	3	5
Antimony	ppm	ASTM D5185m	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 151	<b>323</b>	347	299
Barium	ppm	ASTM D5185m 0.4	<b>0</b>	<1	<1
Molybdenum	ppm	ASTM D5185m 250	<b>60</b>	63	58
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 0	<b>312</b>	318	344
Calcium	ppm	ASTM D5185m 2046	<b>1471</b>	1448	1472
Phosphorus	ppm	ASTM D5185m 1043	<b>986</b>	869	879
Zinc	ppm	ASTM D5185m 943	<b>1079</b>	1083	1090
Sulfur	ppm	ASTM D5185m 5012	<b>3514</b>	3448	3624

## CONTAMINANTS

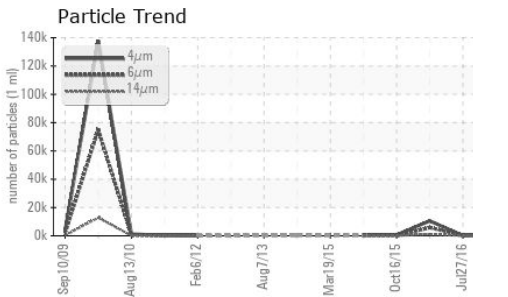
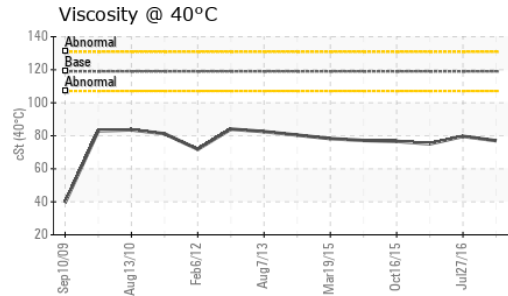
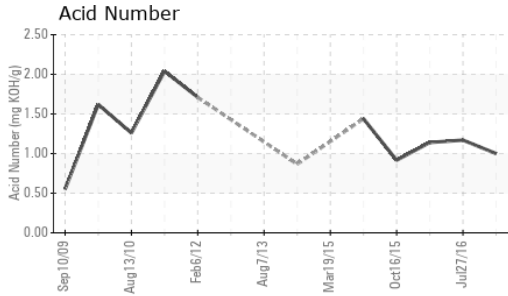
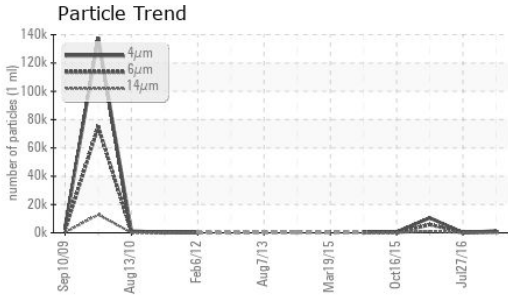
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>5</b>	5	4
Sodium	ppm	ASTM D5185m	<b>3</b>	2	3
Potassium	ppm	ASTM D5185m >20	<b>4</b>	1	1

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>1377</b>	88	10558.
Particles >6µm	ASTM D7647	>1300	<b>750</b>	48	▲ 5751.
Particles >14µm	ASTM D7647	>160	<b>127</b>	8	▲ 979.
Particles >21µm	ASTM D7647	>40	<b>43</b>	2	▲ 330.
Particles >38µm	ASTM D7647	>10	<b>6</b>	0	▲ 51.
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	▲ 5.
Oil Cleanliness	ISO 4406 (c)	>17/14	<b>17/14</b>	13/10	▲ 20/17



# OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.00</b>	1.17	1.14

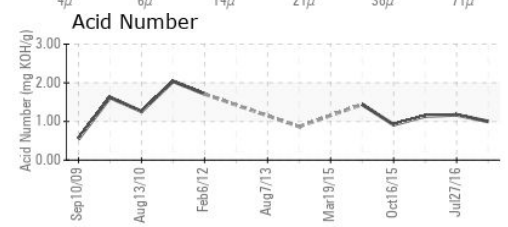
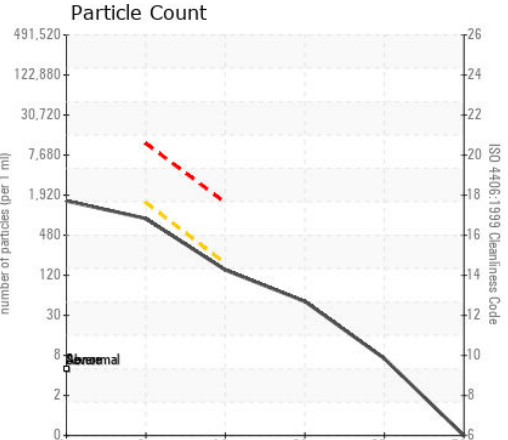
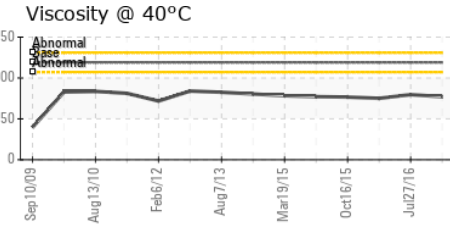
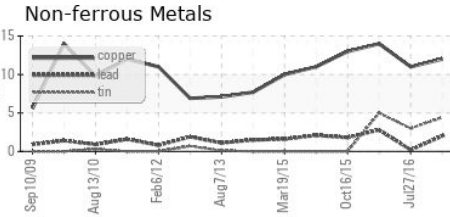
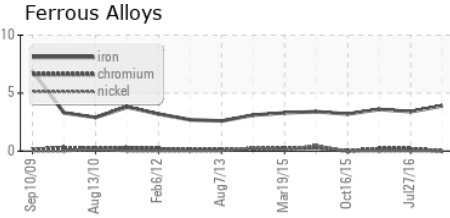
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>VLITE</b>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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	119	<b>77.01</b>	79.67	75.11

### SAMPLE IMAGES

Color		no image
Bottom		no image

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KLM2316358 **Received** : 03 Nov 2016  
**Lab Number** : **04098267** **Diagnosed** : 07 Nov 2016  
**Unique Number** : 7596616 **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)