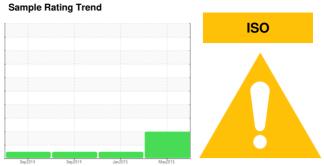


# **OIL ANALYSIS REPORT**





## **DIAGNOSIS**

### Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

All component wear rates are normal.

## Contamination

There is a high amount of particulates present in the oil.

### **Fluid Condition**

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

L)		Sep 201	4 Sep2014	Jan 2015 Ma	y2015	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTKM2241482	PTKM2241489	PTKM2241485
Sample Date		Client Info		21 May 2015	21 Jan 2015	13 Sep 2014
Machine Age	hrs	Client Info		6061	4995	3807
Oil Age	hrs	Client Info		221	4928	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATIO	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	3	4
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m		0	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	<1	<1
Lead	ppm	ASTM D5185m	>10	0	<1	<1
Copper	ppm	ASTM D5185m	>75	11	10	12
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	<1	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		3	0	6
Calcium	ppm	ASTM D5185m		160	173	172
Phosphorus	ppm	ASTM D5185m		548	628	643
Zinc	ppm	ASTM D5185m		722	828	818
Sulfur	ppm	ASTM D5185m		1312	1315	1485
CONTAMINANTS			limit/bass			
		method ASTM D5185m	limit/base >20	current 3	history1 3	history2 3
Silicon	ppm		>20			
Sodium	ppm	ASTM D5185m	00	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	3	4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	12005	423	142
Particles >6µm		ASTM D7647	>1300	<u>6539</u>	230	77
Particles >14μm		ASTM D7647	>160	<u> </u>	39	13
Particles >21μm		ASTM D7647	>40	<u>▲</u> 376	13	4
Particles >38μm		ASTM D7647	>10	<u>▲</u> 58	2	0
Particles >71μm		ASTM D7647	>3	<u>^</u> 5	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>21/20/17</u>	16/15/12	14/13/11



# OIL ANALYSIS REPORT





Laboratory Sample No.

Lab Number : 03750088

: PTKM2241482 Unique Number : 7018101

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

: 27 May 2015 : 29 May 2015 Diagnosed

: 29 May 2015 - Jonathan Hester

6770 S DAWSON CIRCLE SUITE 300 CENTENNIAL, CO US 80112-4224 Contact: MR JONES

carj04@juno.com T: (720)377-2171 F: (720)377-2172

Test Package : IND 2 Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - 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) **MR BULTS**