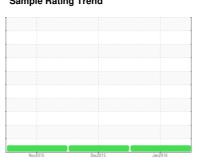


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

Press #1 6660719

Component

Hydraulic System

SHELL TELLUS S2 M 46 (222 GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

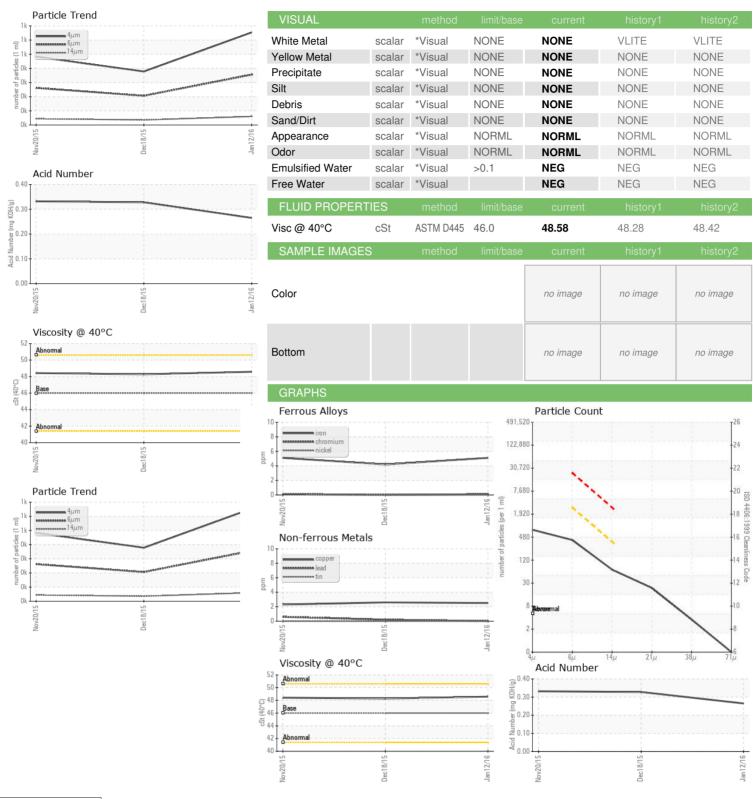
Fluid Condition

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

Nov2015 Dec2015 Jan2016						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTKM2266634	PTKM2264836	PTKM2262324
Sample Date		Client Info		12 Jan 2016	18 Dec 2015	20 Nov 2015
Machine Age	hrs	Client Info		9357256	8874076	324
Oil Age	hrs	Client Info		0	0	324
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	5	4	5
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	<1	<1
Copper	ppm	ASTM D5185m	>75	2	3	2
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	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		8	6	9
Calcium	ppm	ASTM D5185m		110	96	119
Phosphorus	ppm	ASTM D5185m		216	216	207
Zinc	ppm	ASTM D5185m		218	203	222
Sulfur	ppm	ASTM D5185m		3376	3435	3192
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	3	4
Sodium	ppm	ASTM D5185m		8	10	22
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		654	378	482
Particles >6µm		ASTM D7647	>2500	356	206	262
Particles >14µm		ASTM D7647	>320	60	35	44
Particles >21µm		ASTM D7647	>80	20	11	15
Particles >38µm		ASTM D7647	>20	3	1	2
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/15	17/16/13	16/15/12	16/15/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.265	0.328	0.332



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package

: 03908628 : 7278965 : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 27 Jan 2016 : PTKM2266634

Diagnosed : 28 Jan 2016 : Wes Davis Diagnostician

NIAGARA BOTTLING

11031 88TH AVE PLEASANT PRAIRIE, WI US 53158

Contact: TODD MONTGOMERY

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)

T: (909)239-7599 F: