MOB II

Dura-Check Fluid Analysis

OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
INJ 204 (S/N 10497)
Component
Hydraulic System
Fluid
SAE 10W (450 QTS)

RECOMMENDATION

We recommend you service the filters on this component. We advise that you inspect for possible wear. We recommend an early resample to monitor this condition.

WEAR

Moderate concentration of visible metal present. All component wear rates are normal.

CONTAMINATION

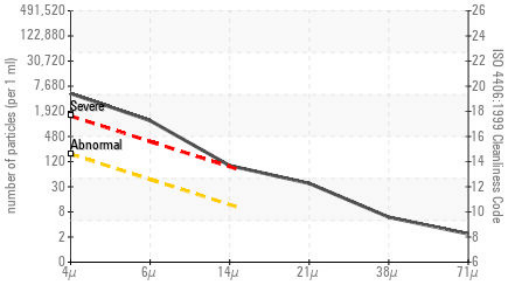
There is a high amount of particulates present in the oil.

FLUID CONDITION

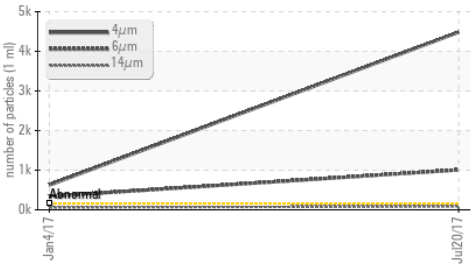
The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC04268554	DCM2012541	---
Sample Date		Client Info		20 Jul 2017	04 Jan 2017	---
Machine Age	mths	Client Info		0	0	---
Oil Age	mths	Client Info		0	0	---
Filter Age	mths	Client Info		0	1	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				SEVERE	NORMAL	---
Iron	ppm	ASTM D5185m	>20	1	1	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m		0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	<1	0	---
Lead	ppm	ASTM D5185m	>10	<1	0	---
Copper	ppm	ASTM D5185m	>75	2	1	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	▲ MODER	VLITE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>20	3	1	---
Potassium	ppm	ASTM D5185m	>20	1	9	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>160	▲ 4483	624	---
Particles >6µm		ASTM D7647	>40	▲ 1008	340	---
Particles >14µm		ASTM D7647	>10	▲ 85	57	---
Particles >21µm		ASTM D7647	>3	▲ 32	19	---
Particles >38µm		ASTM D7647	>3	▲ 5	3	---
Particles >71µm		ASTM D7647	>3	2	0	---
Oil Cleanliness		ISO 4406 (c)	>14/12/10	▲ 19/17/14	16/16/13	---
Particles 5-15µm	count	*NAS 1638	>40	88466	---	---
Particles 15-25µm	count	*NAS 1638	>10	4564	---	---
Particles 25-50µm	count	*NAS 1638	>3	2525	---	---
Particles 50-100µm	count	*NAS 1638	>3	311	---	---
Particles >100µm	count	*NAS 1638	>3	187	---	---
NAS Code		*NAS 1638	>14/12/10	10	---	---
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	---
Sodium	ppm	ASTM D5185m		2	2	---
Boron	ppm	ASTM D5185m		1	1	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		86	95	---
Calcium	ppm	ASTM D5185m		137	153	---
Phosphorus	ppm	ASTM D5185m		325	343	---
Zinc	ppm	ASTM D5185m		406	433	---
Sulfur	ppm	ASTM D5185m		4795	5814	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.515	0.629	---
Visc @ 40°C	cSt	ASTM D445	35.0	44.00	44.71	---

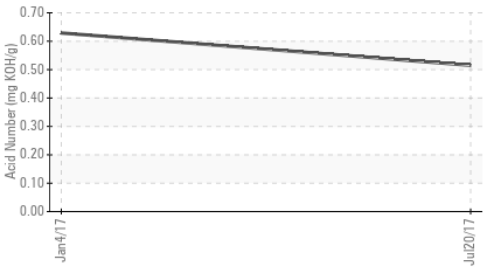
Particle Count



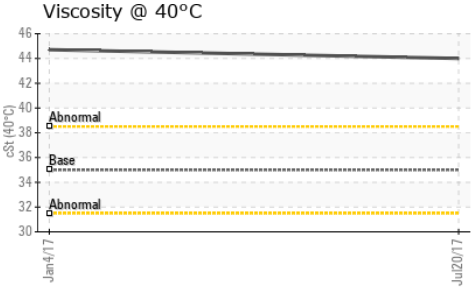
Particle Trend



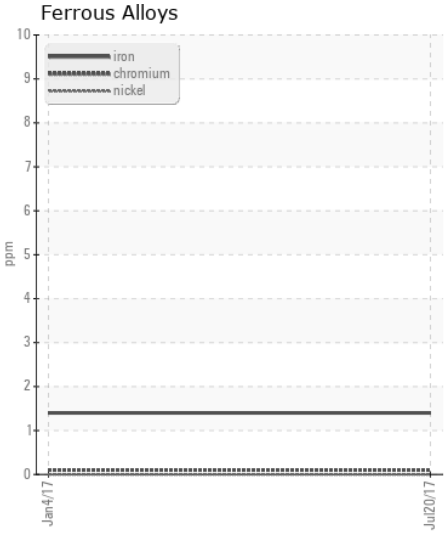
Acid Number



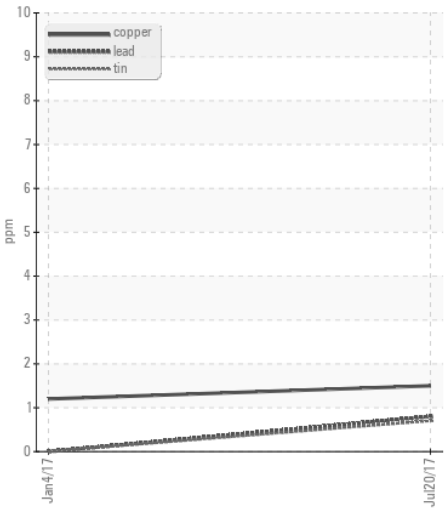
Viscosity @ 40°C



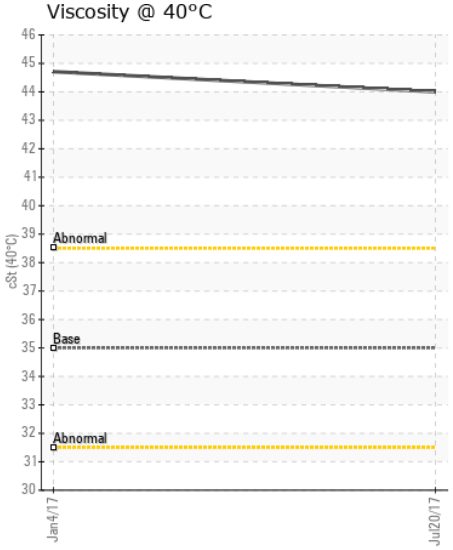
Ferrous Alloys



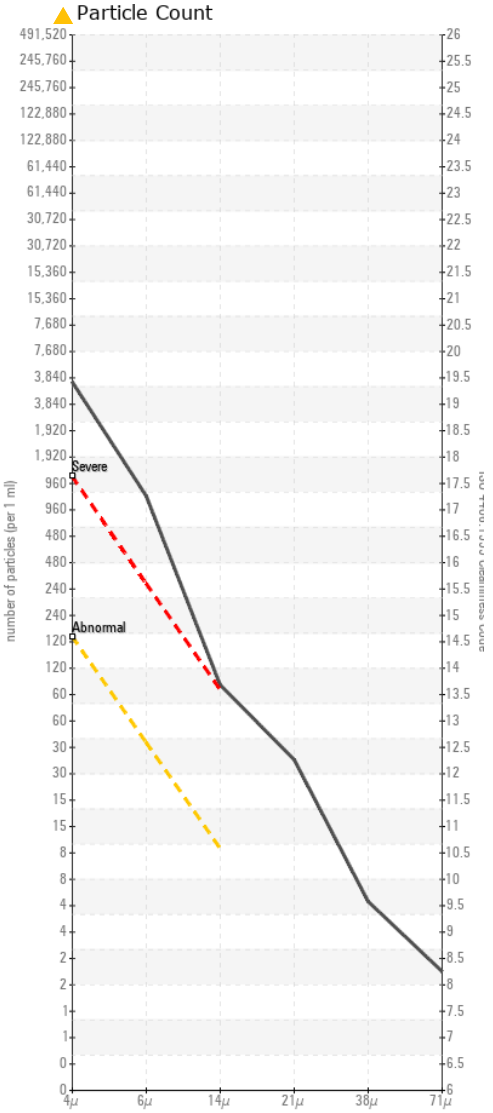
Non-ferrous Metals



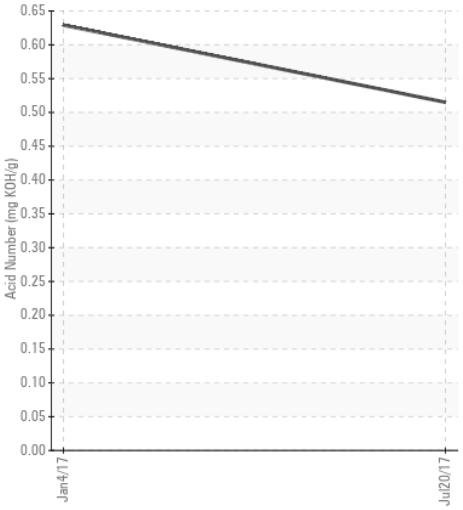
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC04268554 **Received** : 25 Jul 2017
Lab Number : 04268554 **Tested** : 27 Jul 2017
Unique Number : 7872020 **Diagnosed** : 27 Jul 2017 - Don Baldridge
Test Package : MOB 2 (Additional Tests: PrtCountNAS)

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)

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