



OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area
KANSAS/44/EG - OTHER SERVICE
 Machine Id
63.94 [KANSAS^44^EG - OTHER SERVICE]
 Component
Rear Hydraulic System
 Fluid
MOBIL DELVAC 1630 (--- GAL)



DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

Iron ppm levels are severe. Cylinder wear is indicated.

Contamination

There is no indication of any contamination in the component.

Fluid Condition

Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC74154029	---	---
Sample Date	Client Info		23 Jan 2007	---	---
Machine Age	hrs	Client Info	14800	---	---
Oil Age	hrs	Client Info	1000	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	62	---	---
Chromium	ppm	ASTM D5185(m)	0	---	---
Nickel	ppm	ASTM D5185(m)	0	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m)	0	---	---
Aluminum	ppm	ASTM D5185(m)	2	---	---
Lead	ppm	ASTM D5185(m)	0	---	---
Copper	ppm	ASTM D5185(m)	11	---	---
Tin	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	155	---	---
Barium	ppm	ASTM D5185(m)	0	---	---
Molybdenum	ppm	ASTM D5185(m)	5	---	---
Magnesium	ppm	ASTM D5185(m)	4	---	---
Calcium	ppm	ASTM D5185(m)	156	---	---
Phosphorus	ppm	ASTM D5185(m)	1124	---	---
Zinc	ppm	ASTM D5185(m)	75	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	14	---	---
Sodium	ppm	ASTM D5185(m)	1	---	---
Potassium	ppm	ASTM D5185(m)	0	---	---
Glycol	%	ASTM D7922*	0.00	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	0	---	---

FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	22.8	---	---

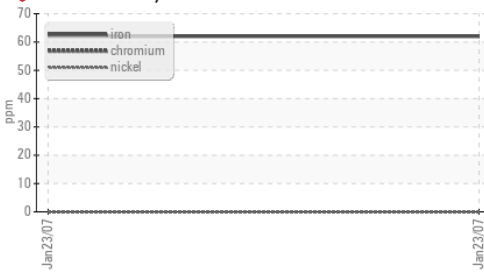
SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color				<i>no image</i>	<i>no image</i>
Bottom				<i>no image</i>	<i>no image</i>



OIL ANALYSIS REPORT

Ferrous Alloys

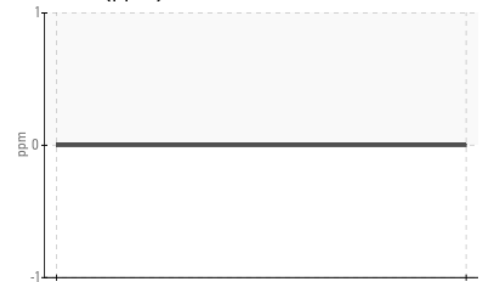


GRAPHS

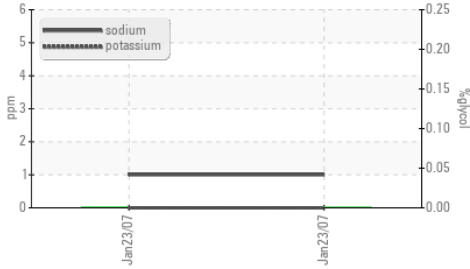
Iron (ppm)



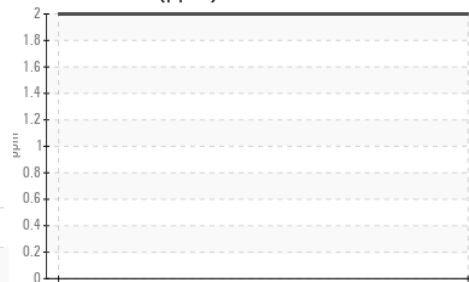
Lead (ppm)



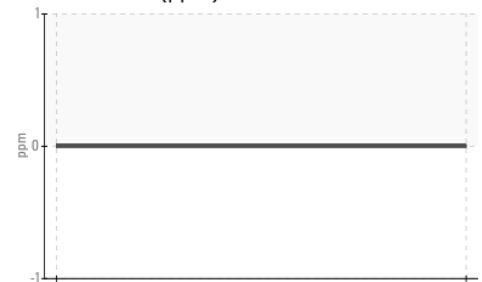
Glycol Contamination



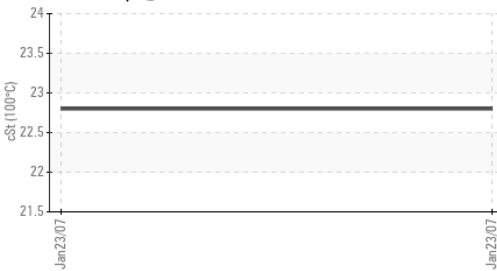
Aluminum (ppm)



Chromium (ppm)



Viscosity @ 100°C



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives



Laboratory : WearCheck -
 Sample No. : WC74154029
 Lab Number : 74154029
 Unique Number : 9411294
 Test Package : MOB 2 (Additional Tests: FT-IR, Glycol, ICP, KV100)

Received : 15 Mar 2007
 Diagnosed : 11 Jun 2014
 Diagnostician : Wes Davis

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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