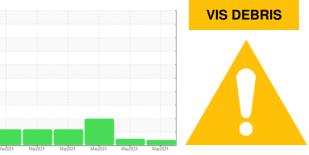


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

947754 Component Hydraulic System R&O OIL ISO 32 (--- GAL)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

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

Particle Filter (Magn: 200 x)



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH0000143	PH0000151	PH0000142
Sample Date		Client Info		10 May 2024	09 May 2024	08 May 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	3	2	3
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	1	1	2
Copper	ppm	ASTM D5185m	>20	4	4	4
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
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	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		1	1	1
Magnesium	ppm	ASTM D5185m	5	0	0	0
Calcium	ppm	ASTM D5185m	5	4	4	4
Phosphorus	ppm	ASTM D5185m	100	31	27	28
Zinc	ppm	ASTM D5185m	25	25	26	27
Sulfur	ppm	ASTM D5185m	1500	1674	1628	1649
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	11	1
Sodium	ppm	ASTM D5185m		2	2	2
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000		677	4 2116
Particles >6µm		ASTM D7647	>2500		274	A 8473
Particles >14µm		ASTM D7647	>320		37	A 359
Particles >21µm		ASTM D7647	>80		9	A 81
Particles >38µm		ASTM D7647	>20		0	7
Particles >71µm		ASTM D7647	>4		0	1
Oil Cleanliness		ISO 4406 (c)	>20/18/15		17/15/12	▲ 23/20/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.08	0.11	0.112	0.076

Report Id: ALLMEN [WUSCAR] 06177094 (Generated: 05/16/2024 15:17:14) Rev: 1

0.11 Contact/Location: JAKE ANDERSON - ALLMEN

Page 1 of 2



3 cSt (40°C)

> 28 26

Ba 30

Mar25/24

Abnormal

Mar26/24

OIL ANALYSIS REPORT

scalar

scalar

scalar

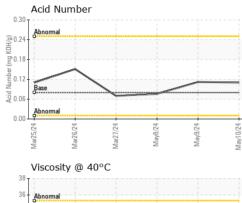
VISUAL

White Metal

Yellow Metal

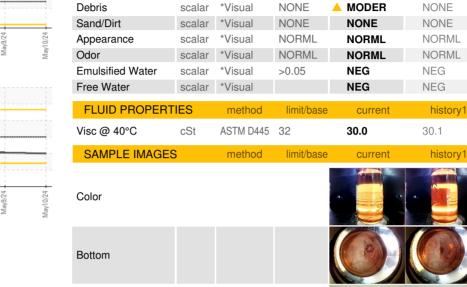
Precipitate

Silt



May8/24

Aar27/24



method

*Visual

*Visual

*Visua

scalar *Visual

limit/base

NONE

NONE

NONE

NONE

current

NONE

NONE

NONE

NONE

history1

NONE

NONE

NONE

NONE

history2

NONE

NONE

NONE

NONE

LIGHT

NONE

NORML

NORML

history2

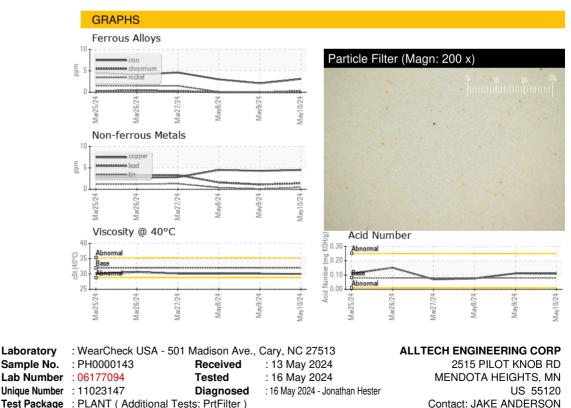
history2

NEG

NEG

30.1

PrtFilter



Test Package : PLANT (Additional Tests: PrtFilter) 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)

Certificate 12367

Laboratory

Sample No.

Contact/Location: JAKE ANDERSON - ALLMEN

janderson@alltechengineering.com

E:

T: (715)607-0738