

OIL ANALYSIS REPORT

NORMAL

Area **CRM54 - HYDRAULIC** CRM 54 HIGH PRESSURE (S/N 16-2200-1020)

Hydraulic System

AW HYDRAULIC OIL ISO 46 (265 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

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

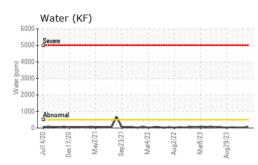
Fluid Condition

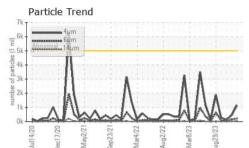
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

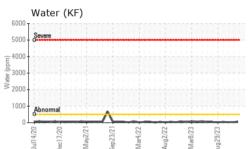
16-2200-1	020)					
			20 May2021 Sep2021	Mar2022 Aug2022 Mar2023	Aug2023	
SAMPLE INFORM		method	limit/base	current	history1	history2
		Client Info	in the babb	RP0038006	RP0042618	RP0039117
Sample Number		Client Info		08 Apr 2024	05 Mar 2024	07 Feb 2024
Sample Date Nachine Age	hrs	Client Info		00 Apr 2024	05 Mai 2024	07 Feb 2024
Dil Age	hrs	Client Info		0	0	0
Dil Changed	1115	Client Info		N/A	N/A	N/A
ample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
on	ppm	ASTM D5185m	>20	<1	2	0
hromium	ppm	ASTM D5185m	>20	<1	<1	0
lickel	ppm	ASTM D5185m	>20	0	<1	0
ïtanium	ppm	ASTM D5185m		0	<1	<1
ilver	ppm	ASTM D5185m		0	0	0
luminum	ppm	ASTM D5185m	>20	0	2	0
ead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	2	1
ïn	ppm	ASTM D5185m	>20	<1	<1	<1
anadium	ppm	ASTM D5185m		<1	0	<1
admium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
oron	ppm	ASTM D5185m	5	0	0	0
arium	ppm	ASTM D5185m	5	0	0	0
lolybdenum	ppm	ASTM D5185m	5	0	0	0
langanese	ppm	ASTM D5185m		<1	0	0
lagnesium	ppm	ASTM D5185m	25	<1	3	0
Calcium	ppm	ASTM D5185m	200	61	95	55
hosphorus	ppm	ASTM D5185m	300	324	521	325
inc	ppm	ASTM D5185m	370	381	625	362
CONTAMINANTS	\$	method	limit/base	current	history1	history2
ilicon	ppm	ASTM D5185m	>15	1	3	<1
odium	ppm	ASTM D5185m		3	2	2
otassium	ppm	ASTM D5185m	>20	1	1	0
Vater	%	ASTM D6304		0.007	0.003	0.003
pm Water	ppm	ASTM D6304	>500	71	32	31
FLUID CLEANLIN	IESS	method	limit/base		history1	history2
Particles >4µm		ASTM D7647	>5000	1138	450	127
articles >6µm		ASTM D7647	>1300	215	144	36
articles >14µm		ASTM D7647	>160	23	17	4
articles >21µm		ASTM D7647		9	5	1
articles >38μm		ASTM D7647	>10	0	0	0
articles >71µm Dil Cleanliness		ASTM D7647 ISO 4406 (c)	>3 >19/17/14	0 17/15/12	0 16/14/11	0 14/12/9
FLUID DEGRADA		method	limit/base		history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.25	0.24	0.23

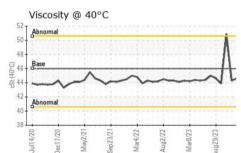


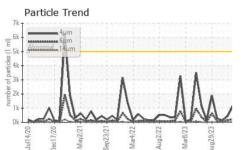
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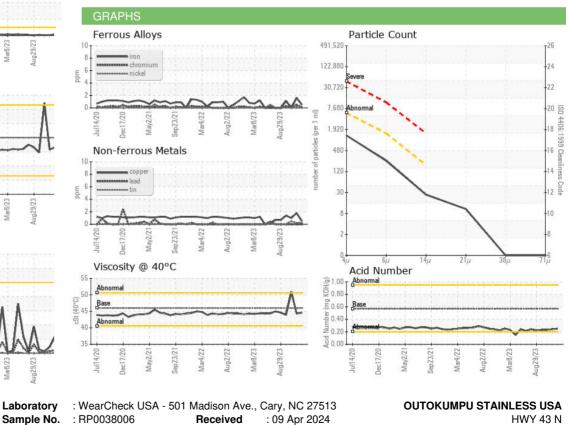








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: 10 Apr 2024

: 10 Apr 2024 - Wes Davis

CALVERT, AL US 36513 Contact: MARIO JOHNSON Mario.johnson@outokumpu.com T: (251)321-4105 06:2012) F: x:

* - 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)

Lab Number

Unique Number : 10967837

Test Package : IND 2

: 06143029

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Tested

Diagnosed

Report Id: OUTCALAL [WUSCAR] 06143029 (Generated: 04/10/2024 10:40:59) Rev: 1

Certificate 12367

Submitted By: DALE ROBINSON

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