

OIL ANALYSIS REPORT

Area Kentucky [Kentucky] Hydraulic - Steeri

Hydraulic System

R&O OIL ISO 100 (35 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Chris wray)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

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SAMPLE INFORM	ΛΑΤΙΟΝ	Apr2019 Jun2	limit/base	2021 Jan2022 Jul2022 Nov2022 Jul CUrrent	history1	history2
			iiiiii/base			
Sample Number		Client Info		WC0898568	WC0769169	WC0731864
Sample Date Vachine Age	bro	Client Info		09 Jul 2024	06 Jul 2023	04 Nov 2022
Dil Age	hrs hrs	Client Info Client Info		22313 15447	15655 8788	0
Dil Changed	1115	Client Info		Not Changd	0700 N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
-						
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>30	2	2	2
Chromium	ppm	ASTM D5185m	>2	<1	0	<1
lickel	ppm	ASTM D5185m	>2	<1	0	0
ītanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	1
Aluminum	ppm	ASTM D5185m	>2	2	0	0
ead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>25	5	5	7
ïn	ppm	ASTM D5185m	>20	<1	0	0
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	<1
Barium	ppm	ASTM D5185m	5	0	0	0
lolybdenum	ppm	ASTM D5185m	5	<1	<1	<1
langanese	ppm	ASTM D5185m		0	0	0
<i>l</i> agnesium	ppm	ASTM D5185m	5	5	4	4
Calcium	ppm	ASTM D5185m	5	56	76	76
hosphorus	ppm	ASTM D5185m	100	278	296	300
linc	ppm	ASTM D5185m	25	419	424	431
Sulfur	ppm	ASTM D5185m	1500	2913	3117	3438
CONTAMINANTS	3	method	limit/base	current	history1	history2
ilicon	ppm	ASTM D5185m	>25	<1	4	<1
Sodium	ppm	ASTM D5185m		0	0	<1
otassium	ppm	ASTM D5185m	>20	<1	<1	<1
Vater	%	ASTM D6304	>0.05	0.010	0.005	0.009
opm Water	ppm	ASTM D6304	>500	103	53.5	90.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3369	974	2551
Particles >6µm		ASTM D7647	>1300	235	115	308
Particles >14μm		ASTM D7647	>160	20	7	26
articles >21μm		ASTM D7647	>40	7	3	7
Particles >38μm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Dil Cleanliness		ISO 4406 (c)	>19/17/14	19/15/11	17/14/10	19/15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.08	0.44	0.43	0.47
	- 0					

Submitted By: M/V KENTUCKY

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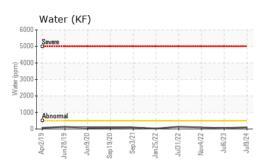
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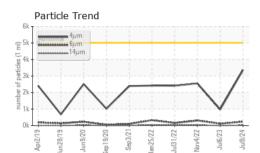
Sample Rating Trend

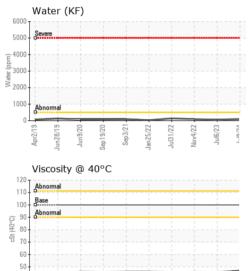
NORMAL

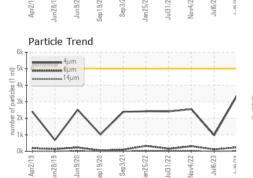


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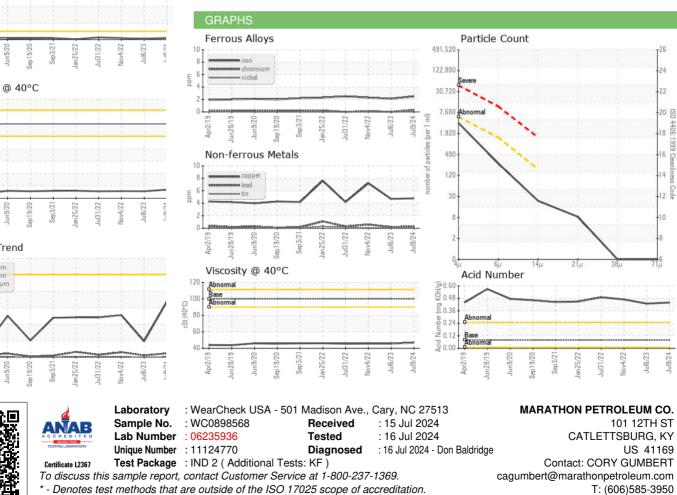






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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	46.9	45.6	45.7
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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