

OIL ANALYSIS REPORT

Sample Rating Trend



Area KANSAS/44 46.103L [KANSAS^44] Component Hydraulic System

MOBIL MOBILFLUID 424 (7 GAL)

וט	A	Gľ	VU	5	5	

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

📥 Wear

The chromium level is abnormal. All other 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

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

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0640028		
Sample Date		Client Info		23 Nov 2021		
Machine Age	hrs	Client Info		10822		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.075	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>71	17		
Chromium	ppm	ASTM D5185m	>11	<u> </u>		
Nickel	ppm	ASTM D5185m	>6	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>11	2		
Lead	ppm	ASTM D5185m	>13	1		
Copper	ppm	ASTM D5185m	>21	11		
Tin	ppm	ASTM D5185m	>5	<1		
Antimony	ppm	ASTM D5185m		<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		1		
	ppm	ASTM D5185m		<1		
	ppm	ASTM D5185m		10		
-	ppm	ASTM D5185m		1153		
	ppm	ASTM D5185m		999		
	ppm	ASTM D5185m		1176		
	ppm	ASTM D5185m		2683		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>24	6		
Sodium	ppm	ASTM D5185m	>21	2		
	ppm	ASTM D5185m	>20	0		
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		31547		
Particles >6µm		ASTM D7647	>2500	220		
Particles >14µm		ASTM D7647	>640	15		
Particles >21µm		ASTM D7647	>160	6		
				-		

ASTM D7647 >40

ASTM D7647 >10

ISO 4406 (c) >--/18/16

0

0

22/15/11

Particles >38µm

Particles >71µm

Oil Cleanliness



OIL ANALYSIS REPORT

Particle Trend	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
$\frac{4\mu m}{1}$	Acid Number (AN)	mg KOH/g	ASTM D8045		0.862		
25k	VISUAL		method	limit/base	current	history1	history2
e 15k -	White Metal	scalar	*Visual	NONE	NONE		
9 10k	Yellow Metal	scalar	*Visual	NONE	NONE		
5k	Precipitate	scalar	*Visual	NONE	NONE		
	Silt	scalar	*Visual	NONE	NONE		
Nov23/2	Debris	scalar	*Visual	NONE	NONE		
Particle Count	Sand/Dirt	scalar	*Visual	NONE	NONE		
91,520 T	Appearance	scalar	*Visual	NORML	NORML		
22,880	Odor	scalar	*Visual	NORML	NORML		
7,680	Emulsified Water	scalar	*Visual	>0.075	NEG		
30,720 7,680 1,920 18	Free Water	scalar	*Visual		NEG		
100	FLUID PROPER	TIES	method	limit/base	current	history1	history2
30	Visc @ 40°C	cSt	ASTM D445	55	43.6		
8 jilo rosenal 2-	SAMPLE IMAGE	S	method	limit/base	current	history1	history2
$0 \frac{1}{4\mu}$ $6 \frac{1}{4\mu}$ $1 \frac{1}{4\mu}$ $2 \frac{1}{4\mu}$ $3 \frac{1}{38\mu}$ $7 \frac{1}{4\mu}$							
Acid Number	Color					no image	no image
0.0.8 V							
匠0.6 w	Bottom					no image	no image
-0.4 	Bottom					no inago	no inago
B 0.2	GRAPHS						
0.01++12/2000	▲ Ferrous Alloys				Particle Count		
Nov23			****	491,52			T ²⁶
Viscosity @ 40°C	15- iron chromium			122,88	10-		-24
⁶⁵ T	Ē 10 -			30,72	10		-22
60 - Abnormal	0						20.5
G 55 Base	Nov23/21			Nov23/21 (per 1 ml)		•	+20 5 +18 5 +16 5 +14 5
은 55 - A bnormal	Nov			8			+18
	Non-ferrous Meta	ls			10		-16
45	copper			jo na 12	10		-14
40 12	10 -			unu 3	10-		-12
Nov23/21	5				8 Sereemal		+10
				71	2		8
Particle Trend	Nov23/2			Nov23/21			
^{230k} 4μm	Viscosity @ 40°C				Acid Number	14μ 21μ	38µ 71µ
25k	65 60 Abnormal			(B)HC			
월 20k - 등 15k -				(B/HOX Bu)			
e 10k -	(2) 55 - Base € 55 - Abnormal			0 Acid Number	.5		
2 _{5k}	45				0		
	Nov23/21			Nov23/21	Nov23/21		Nov23/21
Vav23/	Nov			Nov	Nov		Nov
Laboratory Sample No. Lab Numbe Unique Numbe Certificate 12367 To discuss this sample repoi	r : <mark>05415286</mark> r : 9764474 e : MOBCE	Recei Teste Diagr	ived : 06 d : 07 nosed : 07	6 Dec 2021 7 Dec 2021 Dec 2021 - Jona			NEST MAY ST WICHITA, KS US 67213 DY ROBERTS

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