

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Area [SVO-059829] Machine Id INGERSOLL RAND JE0499 - PGW INDUSTRIES Component

Compressor

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

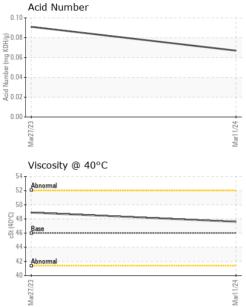
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

			Mar2023	Mar2U24		
SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06123811	UCH05807758	
Sample Date		Client Info		11 Mar 2024	27 Mar 2023	
Machine Age	hrs	Client Info		18933	18910	
Oil Age	hrs	Client Info		22	24	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.8	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm		>10	0	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm		>25	0	<1	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>50	0	0	
Tin	ppm	ASTM D5185m	>15	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0	0	
Barium	ppm	ASTM D5185m	525	430	821	
Molybdenum	ppm	ASTM D5185m	10	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	5	0	0	
Calcium	ppm	ASTM D5185m	10	0	<1	
Phosphorus	ppm	ASTM D5185m	250	0	48	
Zinc	ppm	ASTM D5185m	100	0	0	
Sulfur	ppm	ASTM D5185m	400	153	0	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	4	
Sodium	ppm	ASTM D5185m		5	8	
Potassium	ppm	ASTM D5185m	>20	0	0	
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.067	0.091	



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VISUAL



	VISUAL						history2
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Precipitate	scalar	*Visual	NONE	NONE	NONE	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
1/24	Appearance	scalar	*Visual	NORML	NORML	NORML	
Mar11/24	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified W		*Visual	>0.8	NEG	NEG	
	Free Water	scalar	*Visual		NEG	NEG	
		OPERTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	46	47.6	48.9	
	SAMPLE I	MAGES	method				history2
24 -	Color						no image
Mar11/24	00101						no inage
2							
						() and ()	
	Bottom					1	no image
	GRAPHS						
	Ferrous All	oys					
	¹⁰ T	1					
	. Iron						
	8 - iron chrom	ium					
		ium					
	chrom	ium					
	chrom	ium					
		ium		1/24			
	chrom	ium		Mad 1/24			
	und 0 0 0 0 0 0 0 0 0 0 0 0 0			Marl 1/24			
	und 0 0 0 0 0 0 0 0 0 0 0 0 0	s Metals		Mar11/24			
	wdd 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	s Metals		Mar11/24			
	Non-ferrou	s Metals		Mart1/24			
	wdd 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	s Metals		Mar11/24			
	udd 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	s Metals		Mari 1/24			
	wdd chrom 0 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	s Metals					
	udd 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	s Metals		Mar11/24 Mar11/24			
	wdd chrom 0 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	s Metals			Acid Number		
	Non-ferrou	s Metals		Mar1124	Acid Number		
	Non-ferrou	s Metals		Mar1124			
	Non-ferrou	s Metals		Mar1124			
	Non-ferrou	s Metals		Mar1124			
	Non-ferrou	s Metals		Mar1124			
	Mon-ferrou Wdd Won-ferrou Non-ferrou U U U U U U U U U U U U U	s Metals		Mar11224 3000 Mumber (ng K0H/g) 2000 Mar11224			
	Mon-ferrou Wdd Won-ferrou Non-ferrou U U U U U U U U U U U U U	s Metals		Mar11224 3000 Mumber (ng K0H/g) 2000 Mar11224			
	Mon-ferrou Wdd 2 0 EV(ZZEW Non-ferrou 0 EV(ZZEW Viscosity @ COPPE EV(ZZEW Viscosity @ Base Base Base Base	s Metals		01.00 30.0 K0H(g) 40.0 K0H(g) 50.0 K0H(g)			
aboratory	Mon-ferrou Wiscosity @ Viscosity @ Solution Mon-ferrou	s Metals		Mar11/24 9000 Acid Number mg K00H(0) 7000 Acid Number mg K	Mat21/23		
aboratory ample No.	Non-ferrou Mod Non-ferrou N	s Metals		+7/11/1/2/EW +7/11/2/EW +7/11/2/EW +7/11/2/EW +7/11/2/EW +7/11/2/EW +7/11/2/EW +7/11/2/EW	Mat21/23	N HENRY FOST	ER COMPAN
mple No.	Mon-ferrou Wiscosity @ Viscosity @ Solution Mon-ferrou	s Metals	ived : 20	Mar11/24 9000 Acid Number mg K00H(0) 7000 Acid Number mg K	Mat21/23	N HENRY FOST 4700 LEBOUF	ER COMPAN
imple No. Ib Number ique Number	Non-ferrou Non-fe	s Metals	eived : 20 ed : 21	+7/11/1/2/2/ +7/11/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2	JOHI	N HENRY FOST 4700 LEBOUF	ER COMPAN RGET STREE
ample No. ab Number hique Number est Package	Non-ferrou Wide Non-ferrou Non-ferrou Non-ferrou Viscosity @ State State WearCheck U UCH06123811 10937962 IND 2	s Metals	ived : 20 ed : 21 nosed : 22	to the second se	JOHI Baldridge	N HENRY FOST 4700 LEBOUF SAI ontact: RACHEL	ER COMPAN RGET STREE NT LOUIS, M US 6313 VON HATTE
ample No. ab Number nique Number est Package ample report	Non-ferrou Non-fe	s Metals	ived : 20 ed : 21 nosed : 22 800-237-1368	to the second se	JOHI Baldridge	N HENRY FOST 4700 LEBOUF SAI ontact: RACHEL rvont	ER COMPAN RGET STREE NT LOUIS, M US 6313

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