

OIL ANALYSIS REPORT

Sample Rating Trend

ADDITIVES

Machine Id INGERSOLL RAND AC-1 RS55I 75HP (S/N MOX1007727)

Air Compressor

USPI MAX FG AIR 46 (--- GAL)

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. The amount and size of particulates present in the system are acceptable.

Fluid Condition

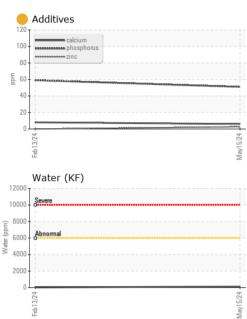
Additive levels indicate the addition of a different brand or type of oil. Confirmed. The AN level is acceptable for this fluid.

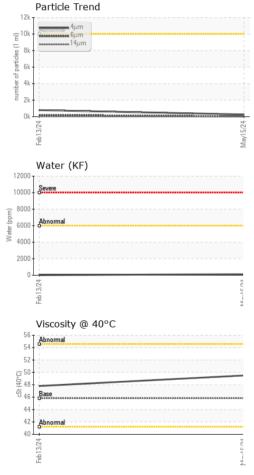
		methou	iiiiii/base	Current	mistory	mstoryz
Sample Number		Client Info		USPM36159	USPM30083	
Sample Date		Client Info		15 May 2024	13 Feb 2024	
Machine Age	hrs	Client Info		0	994	
Oil Age	hrs	Client Info		0	994	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ATTENTION	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>4	0	0	
Nickel	ppm	ASTM D5185m	>4	0	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		<1	0	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>40	<1	0	
Tin	ppm	ASTM D5185m	>5	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	0	0	0	
Barium	ppm	ASTM D5185m	0	<1	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	0	0	<1	
Calcium	ppm	ASTM D5185m	0	6	8	
Phosphorus	ppm	ASTM D5185m	0	5 1	59	
Zinc	ppm	ASTM D5185m	0	3	0	
Sulfur	ppm	ASTM D5185m	0	80	85	
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	
Sodium	ppm	ASTM D5185m		1	2	
Potassium	ppm	ASTM D5185m	>20	0	2	
Water	%	ASTM D6304	>0.6	0.012	0.002	
ppm Water	ppm	ASTM D6304	>6000	123	25	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	267	789	
Particles >6µm		ASTM D7647		32	192	
Particles >14µm		ASTM D7647	>320	5	21	
Particles >21µm		ASTM D7647		1	6	
Particles >38µm		ASTM D7647	>20	0	0	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	15/12/10	17/15/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.16	0.07	0.09	

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	VISUAL		method	limit/base	current	history1	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	LIGHT	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE		
6/24	Appearance	scalar	*Visual	NORML	NORML	NORML		
May15/24	Odor	scalar	*Visual	NORML	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.6	NEG	NEG		
	Free Water	scalar	*Visual		NEG	NEG		
	FLUID PROPERT		method	limit/base		history1	history2	
	Visc @ 40°C	cSt	ASTM D445	45.8	49.5	47.8		
	SAMPLE IMAGES	3	method	limit/base	current	history1	history2	
May15/24	Color						no image	
2	Bottom						no image	
	GRAPHS Ferrous Alloys			491,52	Particle Cou	nt	T ²⁶	
	8 - iron			122,88	80 Severe		-24	
May15/24	e 6+ mickel				1.			
Ma	2			30,72	Abnormal		-22	
				7,68	A contraction of the second se		-20	
	- eb 13/24			5/24 . 1 ml)		N	+20 +18 +16 +14 +12	
	Feb 1			May15/24 s (per 1 ml	20-		+18	
	Non-ferrous Metals	5		apita 48	80-	N	-16	
	¹⁰			rof b				
	8 - copper			May15/24 number of particles (per 1 ml) 56'1	20		+14	
	E 6				30-		-12	
	[₽] 4-					\		
2 V	Z				•	/	+10	
	24 1			724	2-		-8	
	Feb 13/24			May15/24				
	[™] Viscosity @ 40°C			2	0 4μ 6μ	14µ 21µ	38µ 71µ	
	60 ₁			_03	Acid Numbe	er		
	55 Abnormal			1.0 1.0 (mg KOH/d) 1.0 (mg VOH/d)	Base			
	(J° 0			y D. Buj				
	73 Base				10			
	45 -			Ž 0.0	05			
	40 Abnormal				00			
Υ. C	Feb 13/24			May15/24	Feb 13/24			
M-451	Feb			May	Feb			
Laboratory Sample No. Lab Number Unique Number Test Package	: USPM36159 : 06181346 : 11032672 : IND 2	Madison Ave., Cary, NC 27513 Received : 16 May 2024 Tested : 17 May 2024 Diagnosed : 20 May 2024 - Jonathan Hester				TYSON - BOWLING GREEN K 1388 PRODUCTION AV BOWLING GREEN, K US 4210 Contact: Service Manage		
liscuss this sample report, lenotes test methods that ements of conformity to sp	are outside of the ISO 17	7025 scoj	be of accred	litation.	n rule (JCGM 1	06:2012)	T	

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

Report Id: TYSBOW [WUSCAR] 06181346 (Generated: 05/20/2024 10:55:34) Rev: 1

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