

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

EX OVEN 1 DRUM (NORTH PLANT) Component Gearbox

Fluid

JAX SYNGEAR INDUSTRIAL GEAR ISO 320 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

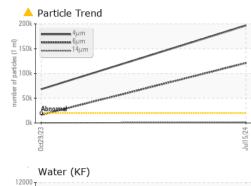
Fluid Condition

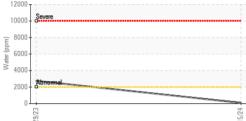
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

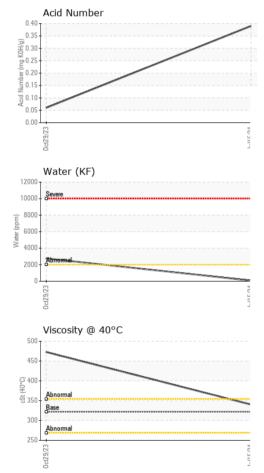
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012364	USP0002876	
Sample Date		Client Info		15 Jul 2024	29 Oct 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	17	1	
Chromium	ppm	ASTM D5185m	>15	0	<1	
Nickel	ppm	ASTM D5185m	>15	<1	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	<1	3	
Lead	ppm	ASTM D5185m	>100	0	0	
Copper	ppm	ASTM D5185m	>200	0	0	
Tin	ppm	ASTM D5185m	>25	0	<1	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		1	0	
Calcium	ppm	ASTM D5185m		71	<1	
Phosphorus	ppm	ASTM D5185m		359	504	
Zinc	ppm	ASTM D5185m		2	0	
Sulfur	ppm	ASTM D5185m		288	612	
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	7	3	
Sodium	ppm	ASTM D5185m		2	5	
Potassium	ppm	ASTM D5185m	>20	<1	2	
Water	%	ASTM D6304	>0.2	0.007	▲ 0.275	
ppm Water	ppm	ASTM D6304	>2000	79	▲ 2752.9	
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<u> </u>	▲ 68164	
Particles >6µm		ASTM D7647	>5000	<u> </u>	16486	
Particles >14µm		ASTM D7647	>640	<u> </u>	317	
Particles >21µm		ASTM D7647	>160	82	67	
Particles >38µm		ASTM D7647	>40	9	3	
Particles >71µm		ASTM D7647	>10	4	2	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 25/24/17	▲ 23/21/15	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.39	0.06	



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回波度

VISUAL		method	limit/base	current	history1	history2
White Metal		*Visual	NONE	NONE	NONE	
Yellow Metal		*Visual	NONE	NONE	NONE	
Precipitate		*Visual	NONE	NONE	NONE	
Silt		*Visual	NONE	NONE	NONE	
Debris		*Visual	NONE	NONE	NONE	
Sand/Dirt		*Visual	NONE	NONE	NONE	
Appearance		*Visual	NORML	NORML	NORML	
Appearance Odor		*Visual	NORML	NORML	NORML	
Emulsified Water		*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPERTI	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	321.9	340	472.5	
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color				a Correct Da		no image
Bottom						no image
GRAPHS						
Ferrous Alloys				Particle Cou	nt	
20 iron			491,520	Severe		T ²⁶
15 - chromium			122,880			-24
톱 10 -	and the second se		30.72	Abnormal		-22
5-				Fundament A		LL.
0		*******	7,68		1.	-20
0ct29/23			Jul15/24 . (per 1 ml)		\mathbf{i}	-18
			Ju cles (p			
Non-ferrous Metals	5		offind 480			+20 +18 +16 +14
s_ copper			Jul 15,724 115,724 11 ml) 120	-	/	14
e d			12			-12
ä. 4			1			
2				8-		10
 			/24	2-		-8
0ct29/23			Jul15/24			
Viscosity @ 40°C				4μ 6μ	14µ 21µ	38µ 71µ
500 I L			0.40	Acid Numbe	r	
450			NON V)		- Contraction of the Contraction
(2) 400 (4) 40			E C.S			
			(6)44 9) 0.31 9) 0.31 9 9 0.21 9 9 0.11			
300 - Abnormal			ι σ			
250			0.00			ŝ
0ct29/23			Jul15/24	0ct29/23		
 WearCheck USA - 501 USP0012364 06237829 11126663 	Madison Receiv Tested Diagno	red :16 I :18	, NC 27513 Jul 2024 Jul 2024 Jul 2024 Jul 2024 - Do			SAINT JOSEP MITCHELL AV IT JOSEPH, M US 6450

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

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