

OIL ANALYSIS REPORT

Sample Rating Trend



1 PRE-BREAK (S/N 10031023)

Component

Gearbox

USPI 3206-EP (--- GAL)

Recommendation

Resample at the next service interval to monitor.

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

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

ng2007 Apr2017 Marg2016 Marg2019 Janc2020 Nov2020 Sap2021 Marg2022 Janc2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM29251	USPM28868	USPM26206
Sample Date		Client Info		19 Aug 2023	11 May 2023	25 Jan 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	6	3	16
Chromium	ppm	ASTM D5185m	>15	0	<1	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	0	<1
Tin	ppm	ASTM D5185m	>25	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		1	10	0
Calcium	ppm	ASTM D5185m		2	0	<1
Phosphorus	ppm	ASTM D5185m		152	173	396
Zinc	ppm	ASTM D5185m		6	11	7
Sulfur	ppm	ASTM D5185m		9955	11511	3095
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	3	8
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	4	0
Water	%	ASTM D6304	>0.2	0.007	0.040	0.009
ppm Water	ppm	ASTM D6304	>2000	78.1	400	92.6
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	7865	2192	856
Particles >6µm		ASTM D7647	>5000	2021	1194	162
Particles >14µm		ASTM D7647	>640	173	203	9
Particles >21µm		ASTM D7647	>160	43	68	2
Particles >38µm		ASTM D7647	>40	2	11	0
Particles >71µm		ASTM D7647	>10	0	1	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	20/18/15	18/17/15	17/15/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.24	0.25	0.31



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To discuss this sample report, contact Customer Service at 1-800-237-1369.

: IND 2

Test Package

Certificate L2367

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* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

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