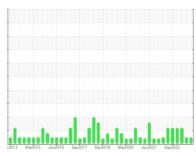


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id TL-42 4

Component Gearbox

GEAR OIL ISO 320 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

		c2013 Mar20	15 Jun2016 Sep2017	Des2018 Mar2020 Jun2021	Sep 2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST43709	ST43509	ST44674
Sample Date		Client Info		28 Sep 2023	28 Jun 2023	29 Mar 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	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	9	7	58
Chromium	ppm	ASTM D5185m	>15	0	0	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	<1	<1	7
Tin	ppm	ASTM D5185m	>25	0	0	<1
Antimony	ppm	ASTM D5185m	>5			0
Vanadium	ppm	ASTM D5185m	, 0	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	10	13	28
Barium	ppm	ASTM D5185m	15	0	0	<1
Molybdenum	ppm	ASTM D5185m	15	0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m	50	<1	0	<1
Calcium	ppm	ASTM D5185m	50	4	2	10
Phosphorus	ppm	ASTM D5185m	350	270	331	464
Zinc	ppm	ASTM D5185m	100	2	1	11
Sulfur	ppm	ASTM D5185m	12500	15491	17937	12769
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	7	8	10
Sodium	ppm	ASTM D5185m		1	<1	0
Potassium	ppm	ASTM D5185m	>20	4	4	<1
Water	%	ASTM D6304	>0.2	0.007	0.006	0.003
ppm Water	ppm	ASTM D6304	>2000	71.9	64.3	33.5
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>40000	18768	15608	▲ 66458
Particles >6µm		ASTM D7647	>5000	2720	2492	▲ 9821
Particles >14µm		ASTM D7647	>640	88	73	137
Particles >21µm		ASTM D7647	>160	29	20	20
Particles >38µm		ASTM D7647	>40	3	5	2
Particles >30µm		ASTM D7647	>40	ა 1	4	0
Oil Cleanliness		ISO 4406 (c)	>22/19/16	21/19/14	21/18/13	△ 23/20/14
	TION					
FLUID DEGRADA		method	limit/base	current	history1	history2



OIL ANALYSIS REPORT

