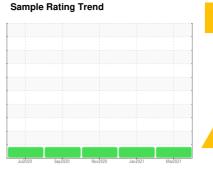


OIL ANALYSIS REPORT

P3 3543-D Crystallizer Gearbox (S/N N/A)

Agitator Gearbox

Mobilgear 629 (44 QTS)





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

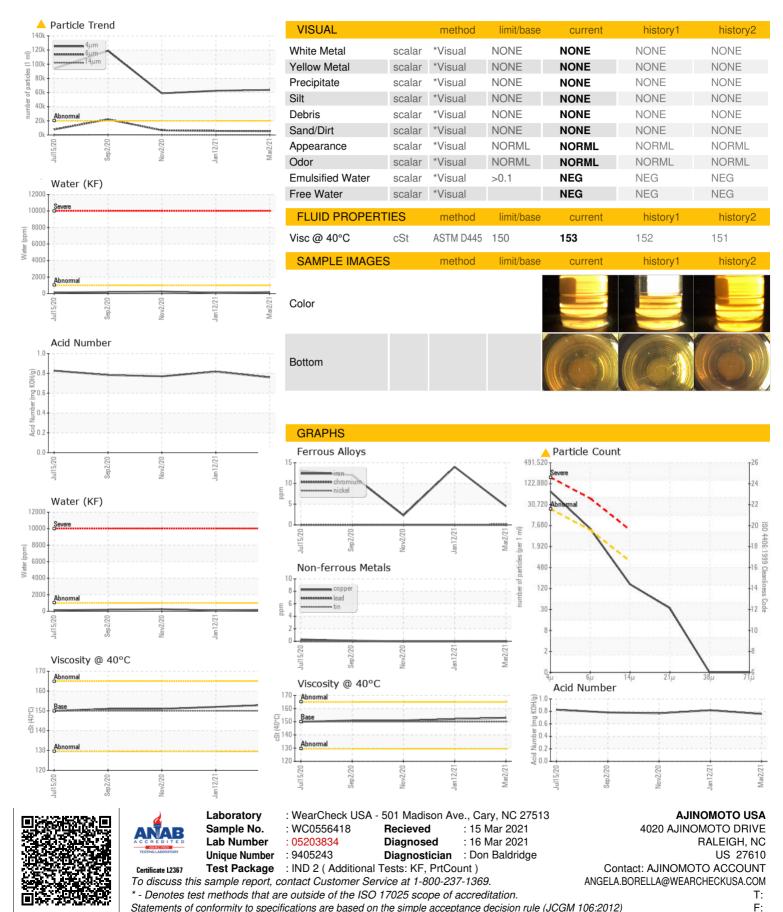
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status WEAR METALS	hrs	method Client Info Client Info Client Info	limit/base	current WC0556418 02 Mar 2021	history1 WC0536891 12 Jan 2021	history2 WC0506427 02 Nov 2020
Sample Date Machine Age Oil Age Oil Changed Sample Status		Client Info				
Machine Age Oil Age Oil Changed Sample Status				02 Mar 2021	12 Jan 2021	02 Nov 2020
Oil Age Oil Changed Sample Status		Client Info		UZ IVIAI ZUZ I	IL OUII LOLI	02 NOV 2020
Oil Changed Sample Status	hrs			0	0	0
Sample Status		Client Info		0	0	0
·		Client Info		N/A	N/A	Not Changd
WEAR METALS				ABNORMAL	ABNORMAL	ABNORMAL
		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	4	14	2
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	<1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		22	37	36
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		0	0	0
Calcium	ppm	ASTM D5185m		<1	0	<1
Phosphorus	ppm	ASTM D5185m		325	371	308
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		14041	16557	12854
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	0	0	0
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.1	0.016	0.009	0.024
ppm Water	ppm	ASTM D6304	>1000	162.1	97.7	245.0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>20000	△ 63608	△ 62482	▲ 58840
Particles >6µm		ASTM D7647		5468	▲ 5756	▲ 6663
Particles >14µm		ASTM D7647	>640	140	142	213
Particles >21µm		ASTM D7647	>160	29	27	42
		ASTM D7647	>40	0	0	1
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >38μm Particles >71μm		70 IN D/04/	210	-	O	0
		ISO 4406 (c)	>21/19/16	23/20/14	△ 23/20/14	△ 23/20/15

0.760



OIL ANALYSIS REPORT



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