

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **TOTE 85** Component New (Unused) Oil Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time.

Wear

All wear metals 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.

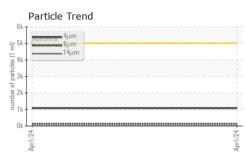
Fluid Condition

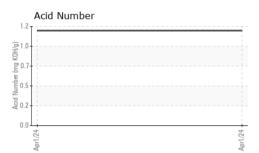
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

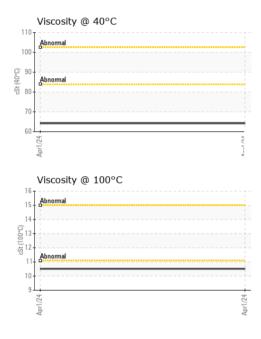
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001662		
Sample Date		Client Info		01 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	0		
Chromium	ppm	ASTM D5185m	>5	0		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>5	<1		
Lead	ppm	ASTM D5185m	>5	<1		
Copper	ppm	ASTM D5185m	>5	0		
Tin	ppm	ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		85		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		55		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		431		
Calcium	ppm	ASTM D5185m		1304		
Phosphorus	ppm	ASTM D5185m		661		
Zinc	ppm	ASTM D5185m		819		
Sulfur	ppm	ASTM D5185m		2553		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304		NEG		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1075		
Particles >6µm		ASTM D7647	>1300	127		
Particles >14µm		ASTM D7647	>160	8		
Particles >21µm		ASTM D7647	>40	3		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/14/10		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.15		



OIL ANALYSIS REPORT







		method				histor
VISUAL					history	mstor
				-		
				-		
				-		
••				-		
			NORML			
Free Water	scalar	*Visual		NEG		
FLUID PROPER	TIES	method	limit/base	current	history1	histor
Visc @ 40°C	cSt	ASTM D445		64.18		
Visc @ 100°C	cSt	ASTM D445		10.51		
Viscosity Index (VI)	Scale	ASTM D2270		152		
SAMPLE IMAGE	S .	method	limit/base	current	history1	histo
				RUN		
Color				s. (1997)	no image	no imag
00.0.						
			4			
Bottom					no image	no ima
GRAPHS						
Ferrous Alloys			491 520	Particle Count		
8 iron]			431,320			
E 6 - sessesses chromium			122,880	-		
			30,720	pevele		
1			7 680	Abnormal		
1/24.			1/24 J	Sunonna		
Apr			ug 1,920.		•	
Non-ferrous Meta	ls		광.	1		
			120.		`	
6 - G			qua			
4 4			30.			
2			8.			
24 10			4Z 2·			
April			Apr1			
Viscosity @ 40°C			0- 4j	и 6µ	14µ 21µ	38µ
110			@12	Acid Number		
Abnormal			.0- 뒷1.0-			
100 Abnormal						
100 Abnormal			۵.7·			
Abnormal 90 Abnormal Abnormal			۳.0.7 قوری ا			
100 Abnormal			(2) 1.2 HO 1.0 W 0.7 			
Abnormal 90 800 70 70			-0.0 -0.5 -0.0 yang Mumper 	Apr1/24		
	Visc @ 40°C Visc @ 100°C Viscosity Index (VI) SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys	Yellow Metal scalar Precipitate scalar Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Free Water scalar Free Water scalar FLUID PROPERTIES Visc @ 40°C cSt Visc @ 100°C cSt Visc @ 100°C cSt Visc @ 100°C cSt Viscosity Index (VI) Scale SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys Non-ferrous Metals	Yellow Metal scalar *Visual Precipitate scalar *Visual Silt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Odor scalar *Visual Emulsified Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual Full PROPERTIES method Visc @ 40°C cSt ASTM D445 Visc @ 100°C cSt ASTM D445 Viscosity Index (VI) Scale ASTM D2270 SAMPLE IMAGES method Color	Yellow Metal scalar *Visual NONE Precipitate scalar *Visual NONE Silt scalar *Visual NONE Debris scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NORML Odor scalar *Visual NORML Odor scalar *Visual NORML Odor scalar *Visual NORML Emulsified Water scalar *Visual NORML Free Water scalar *Visual NORML Free Water scalar *Visual NORML Visc @ 40°C cSt ASTM D445 Viscosity Index (VI) Scale ASTM D445 Viscosity Index (VI) Scale ASTM D2270 SAMPLE IMAGES method imit/base 100°C 100°C Color Imit/base Imit/base 100°C 100°C 100°C Mon-ferrous Alloys Imit/base Imit/base 100°C 100°C 100°C <	Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NEG Free Water scalar *Visual NEG NEG Visc@ 40°C cSt ASTM D445 64.18 Io.51 Viscosity Index (VI) Scale ASTM D2270 152 SAMPLE IMAGES method imit/base current Order micd micd Imit/base Imit/base	Yellow Metal scalar *Visual NONE Precipitate scalar *Visual NONE NONE Sitt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NOR NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NORML Free Water scalar *Visual NORML NEG Free Water scalar *Visual NORML NEG Visc @ 40°C cSt ASTM D445 64.18 Visc @ 100°C cSt ASTM D425 10.51 SAMPLE IMACES method imit/base current history1 Oclor momention momentin <td< td=""></td<>

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

* - 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)

Report Id: SUPATLGA [WUSCAR] 06139415 (Generated: 04/10/2024 09:29:06) Rev: 1

Certificate L2367

F:

T: (470)991-1693