OIL ANALYSIS REPORT

TAYLOR LUBRICANTS

Sample Rating Trend

May 2024

ISO

Machine Id
TOTE 128
Component
New (Unused) Oil
Fluid
{not provided} (--- GAL)

DIAGNOSIS

⚠ **Recommendation**
This is a baseline read-out on the submitted sample.

⚠ **Contamination**
There is a high amount of silt (particulates < 6 microns in size) present in the oil.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number		Client Info	TLC0001678	---	---
Sample Date		Client Info	28 May 2024	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed		Client Info	N/A	---	---
Sample Status			ABNORMAL	---	---

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		79	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		29	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m		96	---	---
Calcium	ppm	ASTM D5185m		1638	---	---
Phosphorus	ppm	ASTM D5185m		797	---	---
Zinc	ppm	ASTM D5185m		819	---	---
Sulfur	ppm	ASTM D5185m		4555	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	7	---	---
Sodium	ppm	ASTM D5185m		0	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Water	%	ASTM D6304		NEG	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	⚠ 14012	---	---
Particles >6µm		ASTM D7647	>1300	1196	---	---
Particles >14µm		ASTM D7647	>160	9	---	---
Particles >21µm		ASTM D7647	>40	1	---	---
Particles >38µm		ASTM D7647	>10	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	⚠ 21/17/10	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.37	---	---

OIL ANALYSIS REPORT

TAYLOR LUBRICANTS

Particle Trend
(chart: 4μm, 6μm, 14μm — Abnormal)

Particle Trend
(chart: 4μm, 6μm, 14μm — Abnormal)
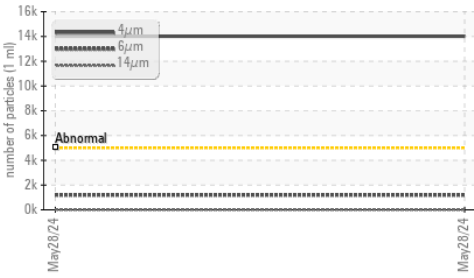
Acid Number
(chart)
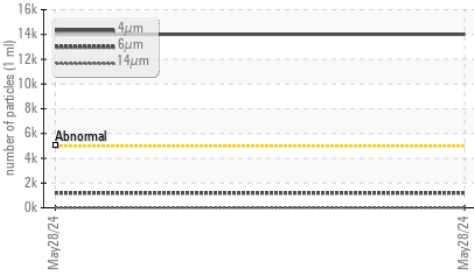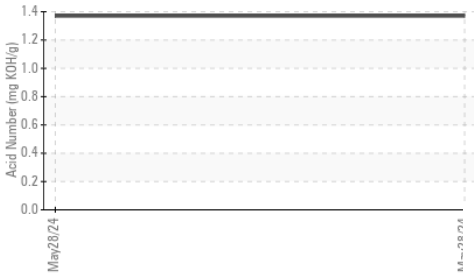
Viscosity @ 100°C
(chart — Abnormal)
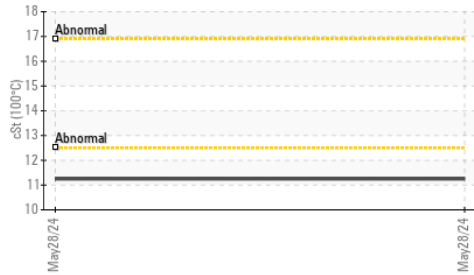
VISUAL	method		limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	---	---
Appearance	scalar	*Visual	NORML	**NORML**	---	---
Odor	scalar	*Visual	NORML	**NORML**	---	---
Emulsified Water	scalar	*Visual		**NEG**	---	---
Free Water	scalar	*Visual		**NEG**	---	---

FLUID PROPERTIES	method		limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**71.76**	---	---
Visc @ 100°C	cSt	ASTM D445		**11.25**	---	---
Viscosity Index (VI)	Scale	ASTM D2270		**148**	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			(image)	no image	no image
Bottom			(image)	no image	no image

GRAPHS

Ferrous Alloys
(chart: iron, chromium, nickel)

Non-ferrous Metals
(chart: copper, lead, tin)

Viscosity @ 40°C
(chart — Abnormal)

Particle Count
(chart: Severe, Abnormal — ISO 4406:1999 Cleanliness Code)

Acid Number
(chart)

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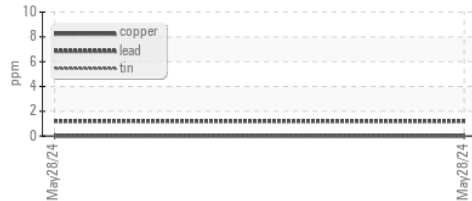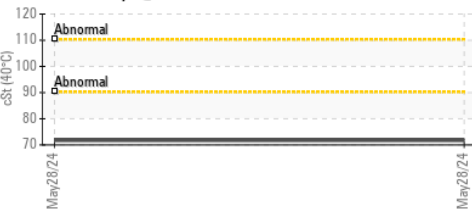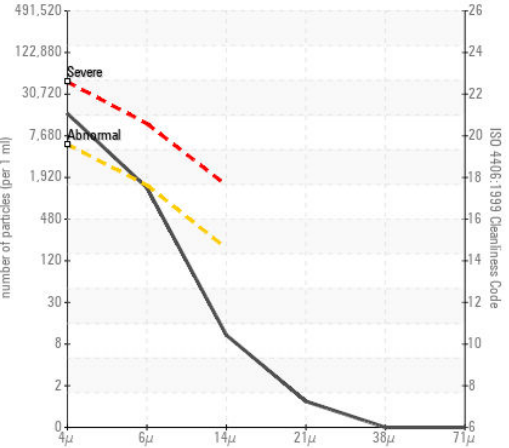
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TLC0001678   **Received** : 03 Jun 2024
Lab Number : 06198109   **Tested** : 05 Jun 2024
Unique Number : 11060232   **Diagnosed** : 05 Jun 2024 - Jonathan Hester
Test Package : PLANT (Additional Tests: FT-IR, ICP-NewOil, KV100, VI)

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)

SUPPLY PRO
115 EMPIRE WAY
ATLANTA, GA
US 30354
Contact: MICHAEL JACKSON
mjackson@supplypro1.com
T: (470)991-1693
F:

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY — Certificate L2367

Report Id: SUPATLGA [WUSCAR] 06198109 (Generated: 06/06/2024 07:25:28) Rev: 1

Contact/Location: MICHAEL JACKSON - SUPATLGA

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