



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**PAROIL S - US SHORING 50116**  
 Component  
**New (Unused) Oil**  
 Fluid  
**{not provided} (--- GAL)**

**RECOMMENDATION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>TO106159536</b>	---	---
Sample Date		Client Info		<b>23 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

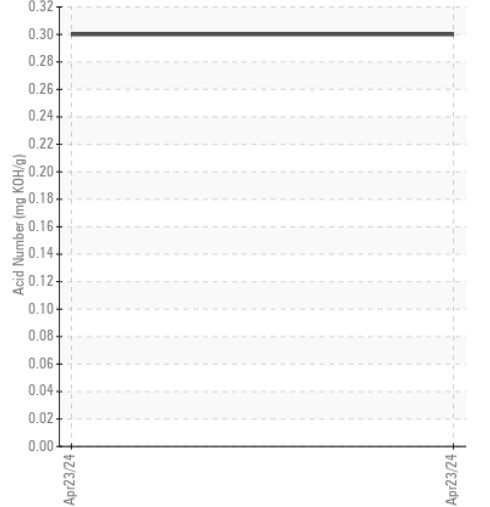
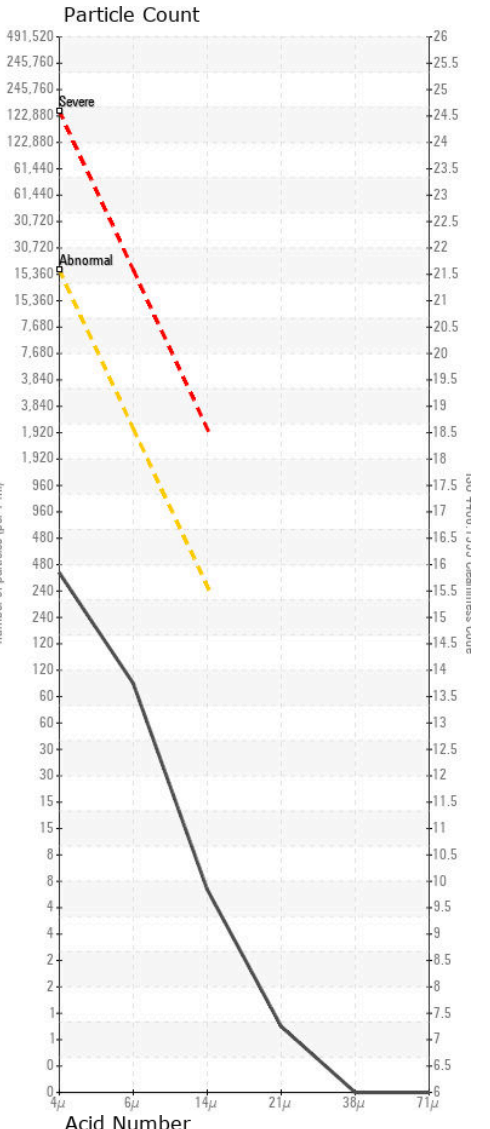
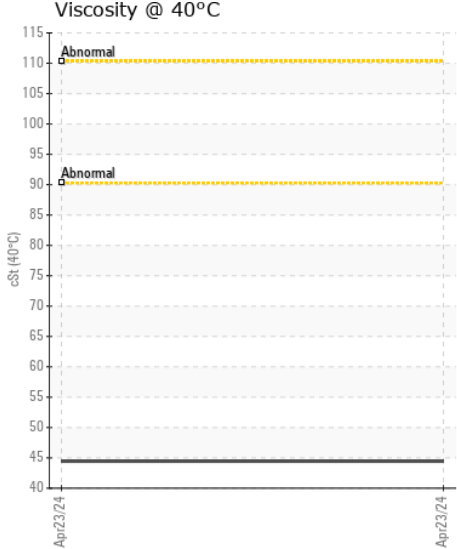
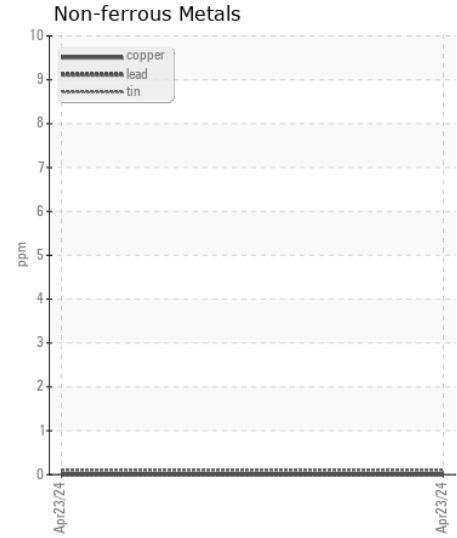
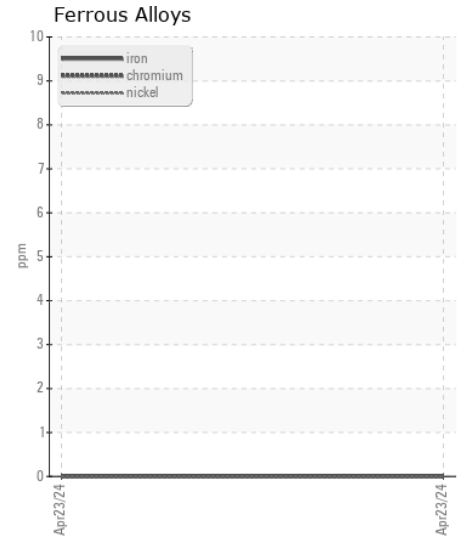
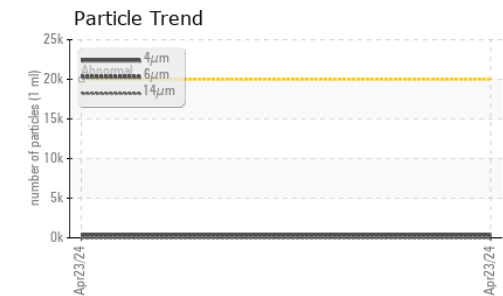
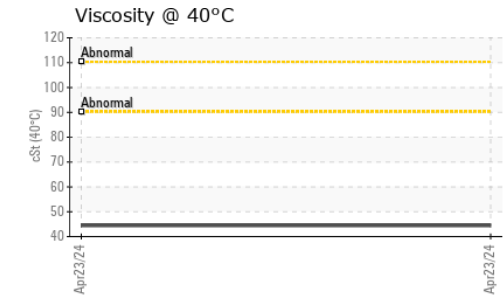
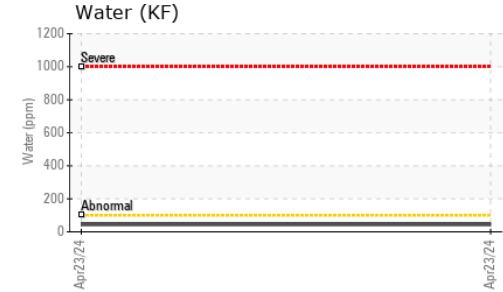
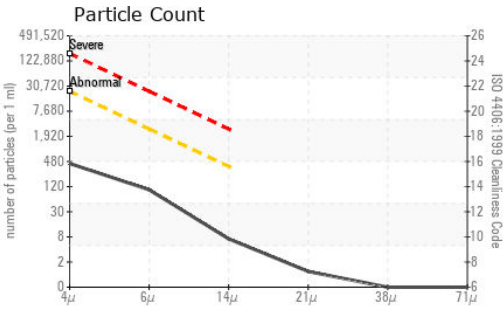
Iron	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

Silicon	ppm	ASTM D5185m	>15	<b>0</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	---	---
Water	%	ASTM D6304		<b>0.004</b>	---	---
ppm Water	ppm	ASTM D6304		<b>44</b>	---	---
Particles >4µm		ASTM D7647	>20000	<b>379</b>	---	---
Particles >6µm		ASTM D7647	>2500	<b>89</b>	---	---
Particles >14µm		ASTM D7647	>320	<b>6</b>	---	---
Particles >21µm		ASTM D7647	>80	<b>1</b>	---	---
Particles >38µm		ASTM D7647	>20	<b>0</b>	---	---
Particles >71µm		ASTM D7647	>4	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>21/18/15	<b>16/14/10</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual		<b>NEG</b>	---	---

**FLUID CONDITION**

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>84</b>	---	---
Zinc	ppm	ASTM D5185m		<b>0</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>102</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.30</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>44.45</b>	---	---
Visc @ 100°C	cSt	ASTM D445		<b>7.79</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270		<b>145</b>	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO106159536 **Received** : 24 Apr 2024  
**Lab Number** : 06159536 **Tested** : 26 Apr 2024  
**Unique Number** : 10994959 **Diagnosed** : 26 Apr 2024 - Jonathan Hester  
**Test Package** : MOB 1 ( Additional Tests: FT-IR, KF, KV100, PrtCount, VI )

**TULCO OILS INC (001-TULSA DIVISION)**  
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 TULSA, OK  
 US 74115  
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 dylancope@tulco.com  
 T: (800)375-2347  
 F: x:

Certificate L2367  
 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)