



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CASE 165 PUMA 35317
 Component
New (Unused) Oil
 Fluid
CHEVRON DELO 400 50T 15W40 - API CK 4/5N (17 QTS)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KLKL202285	---	---
Sample Date		Client Info		21 Jun 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

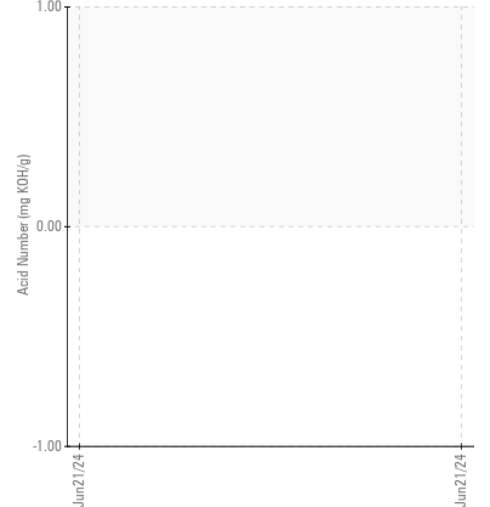
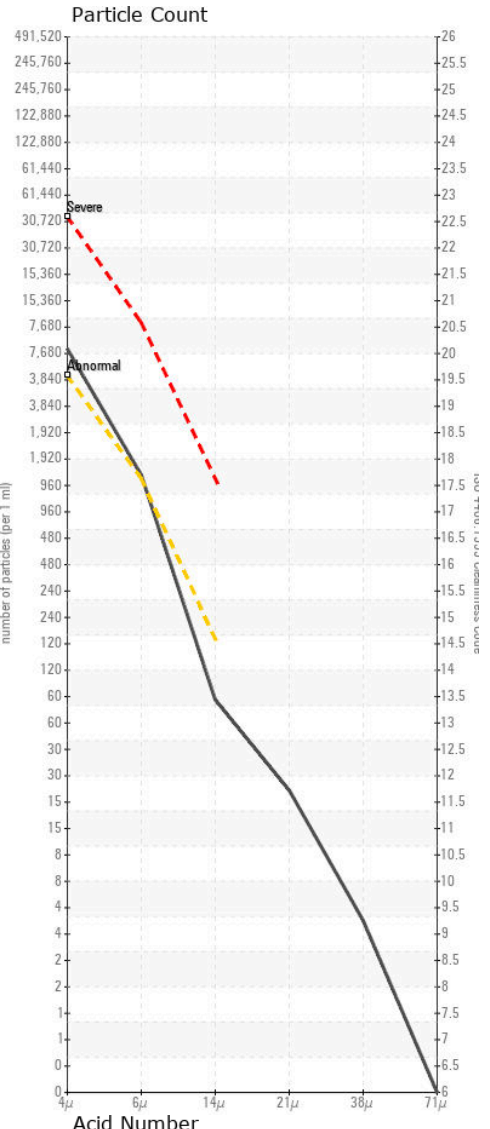
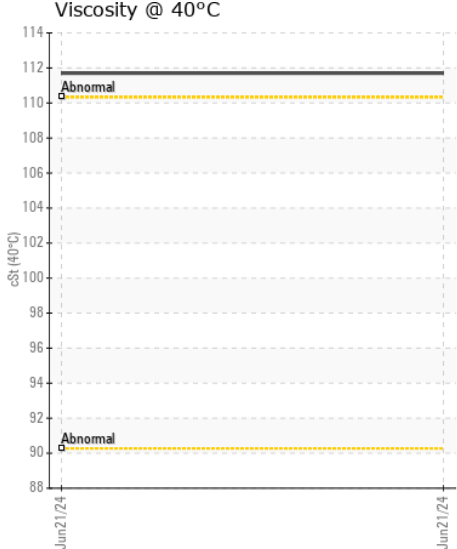
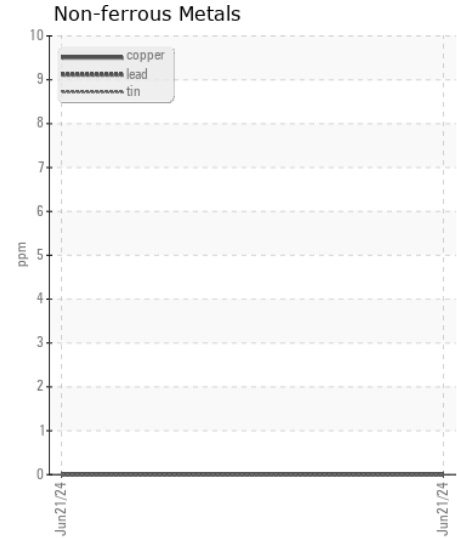
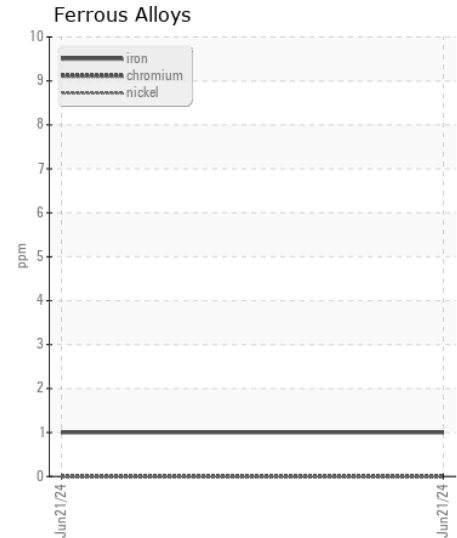
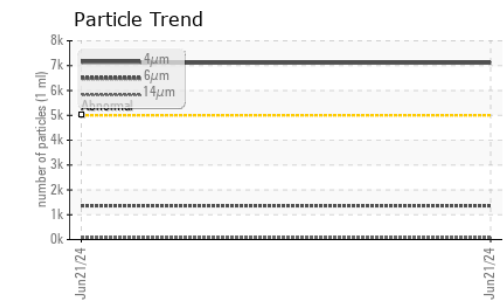
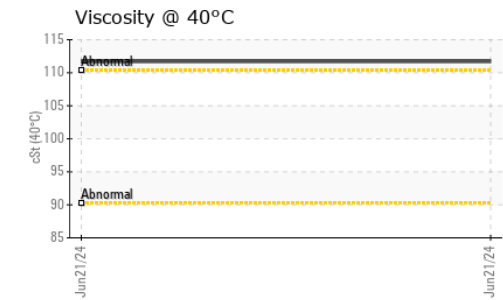
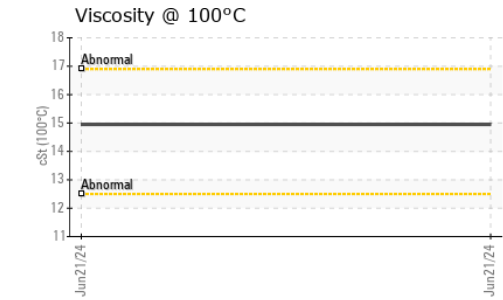
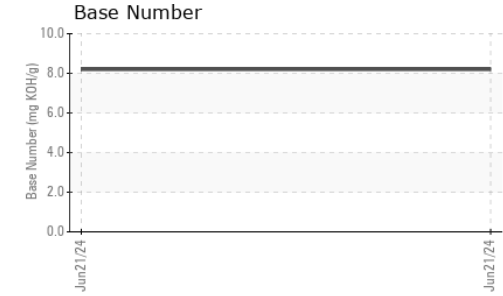
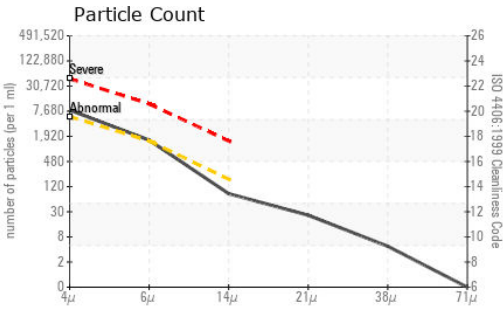
Iron	ppm	ASTM D5185m		1	---	---
Chromium	ppm	ASTM D5185m		0	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		2	---	---
Lead	ppm	ASTM D5185m		0	---	---
Copper	ppm	ASTM D5185m		0	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

Silicon	ppm	ASTM D5185m		7	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method		NEG	---	---
Particles >4µm		ASTM D7647	>5000	7110	---	---
Particles >6µm		ASTM D7647	>1300	1363	---	---
Particles >14µm		ASTM D7647	>160	72	---	---
Particles >21µm		ASTM D7647	>40	22	---	---
Particles >38µm		ASTM D7647	>10	4	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/13	---	---
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	---	---

FLUID CONDITION

Sodium	ppm	ASTM D5185m		1	---	---
Boron	ppm	ASTM D5185m		498	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		90	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m		441	---	---
Calcium	ppm	ASTM D5185m		1728	---	---
Phosphorus	ppm	ASTM D5185m		1252	---	---
Zinc	ppm	ASTM D5185m		1540	---	---
Sulfur	ppm	ASTM D5185m		4758	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		8.20	---	---
Visc @ 40°C	cSt	ASTM D445		111.7	---	---
Visc @ 100°C	cSt	ASTM D445		14.95	---	---
Viscosity Index (VI)	Scale	ASTM D2270		138	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KLKL202285 **Received** : 16 Jul 2024
Lab Number : 06238747 **Tested** : 19 Jul 2024
Unique Number : 11127581 **Diagnosed** : 19 Jul 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: KV100, PrtCount, TBN, VI)

KLENOIL MEXICO

, ZZ
 MX
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 T:
 F:

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)