

WEAR
CONTAMINATION
FLUID CONDITION

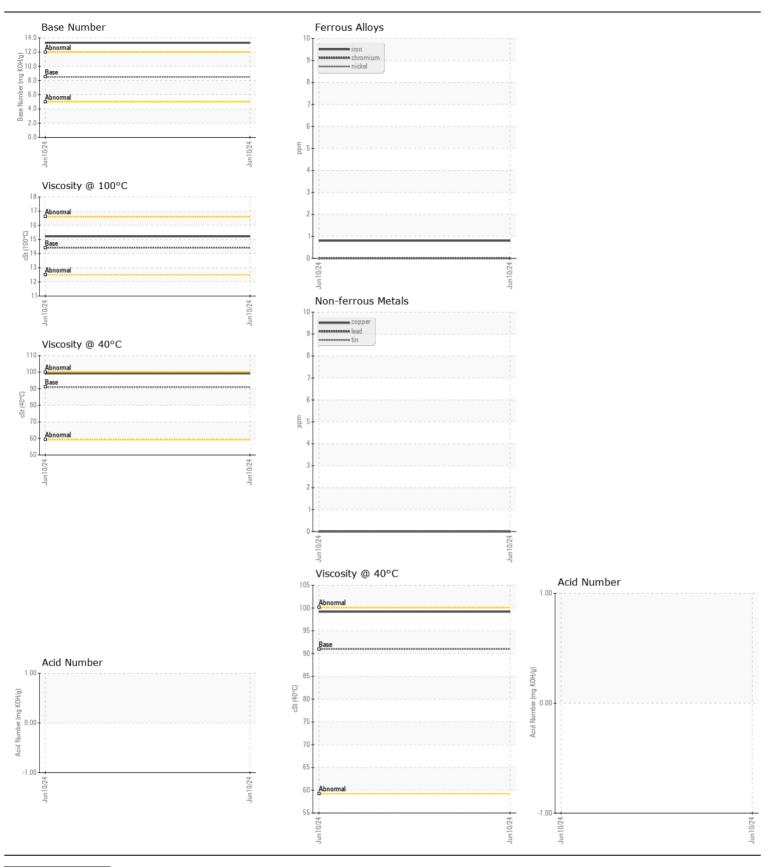
NORMAL NORMAL NORMAL

Machine Id

## 24F1001 PCMOEURO-020

New (Unused) Oil

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
This is a baseline read-out on the submitted sample.	Sample Number		Client Info		HPL0004705		
	Sample Date		Client Info		10 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	nnm	ASTM D5185m		<1		
WLAN	Chromium	ppm	ASTM D5185m		0		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m				
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		3		
	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		12		
	Potassium	ppm	ASTM D5185m	>20	<1		
	Water		WC Method		NEG		
	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	>44	0		
	Boron	ppm	ASTM D5185m	250	93		
	Barium	ppm	ASTM D5185m	10	0		
	Molybdenum	ppm	ASTM D5185m	100	380		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m	450	14		
	Calcium	ppm	ASTM D5185m	3000	4108		
	Phosphorus	ppm	ASTM D5185m	1150	1067		
	Zinc	ppm	ASTM D5185m	1350	1299		
	Sulfur	ppm	ASTM D5185m	4250	16966		
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	13.30		
	Visc @ 40°C	cSt	ASTM D445	91	99.18		
		0.	A OTH A D 4 4 F	4 4 4	45.04		
	Visc @ 100°C	cSt	ASTM D445	14.4	15.21		





Laboratory Sample No. Unique Number : 11085134

: HPL0004705 Lab Number : 06212270

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

: 17 Jun 2024 : 20 Jun 2024 : 20 Jun 2024 - Jonathan Hester

Diagnosed

HIGH PERFORMANCE LUBRICANTS LLC

500 S SPRUCE ST MANTENO, IL US 60950

Test Package : MOB 2 ( Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TBN, VI ) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: DAVID WARD sampledata@hplubricants.com

\* - 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) T: (815)468-3535 F: x: