

WEAR CONTAMINATION FLUID CONDITION

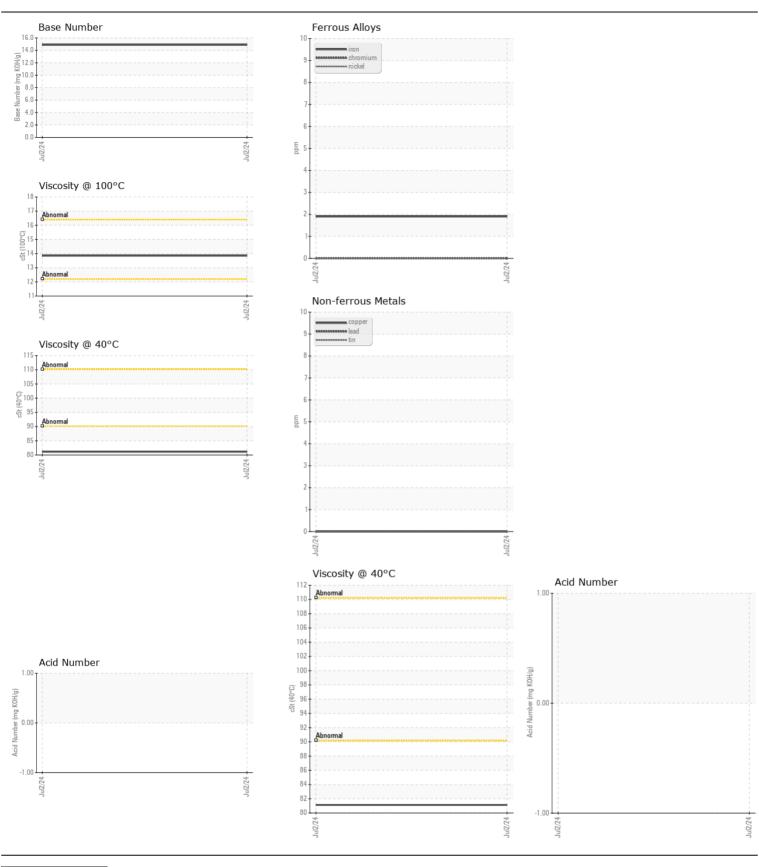
NORMAL NORMAL NORMAL

Machine Id

24G0102 PCMOEURO-330

New (Unused) Oil

RECOMMENDATION This is a baseline read-out on the submitted sample. (Customer Sample Comment: Please Run A TBN)	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		HPL0005561		
	Sample Date		Client Info		02 Jul 2024		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		N/A		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m		2		
	Chromium	ppm	ASTM D5185m		0		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		4		
	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		11		
	Potassium	ppm	ASTM D5185m	>20	0		
	Water	ррпп	WC Method	720	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	Ca diama		ACTM DE10E				
	Sodium	ppm	ASTM D5185m		2		
	Boron Barium	ppm	ASTM D5185m		67		
	Molybdenum	ppm	ASTM D5185m ASTM D5185m		2 678		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		888		
	Calcium	ppm	ASTM D5185m		2799		
	Phosphorus	ppm	ASTM D5185m		925		
	Zinc	ppm	ASTM D5185m		1049		
	Sulfur	ppm	ASTM D5185m		9317		
	Canai		ASTM D2896		14.88		
	Base Number (BN)	ma K∩H/a	AO HVI LIZOMO				
	Base Number (BN)						
	Base Number (BN) Visc @ 40°C Visc @ 100°C	mg KOH/g cSt cSt	ASTM D445 ASTM D445		81.13 13.85		







Certificate L2367

Laboratory Sample No. Unique Number : 11117235

Lab Number : 06233742

: HPL0005561

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

: 11 Jul 2024 : 15 Jul 2024 Diagnosed

: 15 Jul 2024 - Jonathan Hester

HIGH PERFORMANCE LUBRICANTS LLC 500 S SPRUCE ST

MANTENO, IL US 60950 Contact: DAVID WARD

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

sampledata@hplubricants.com T: (815)468-3535

* - 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)

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