



GM Seattle Off Raod Shop [20220114156] [GM Seattle Off Raod Shop] 28-224

Hydraulic System

CASTROL HYSPIN AWS HYDRAULIC 46 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

W	EA	R	

All component wear rates are normal.

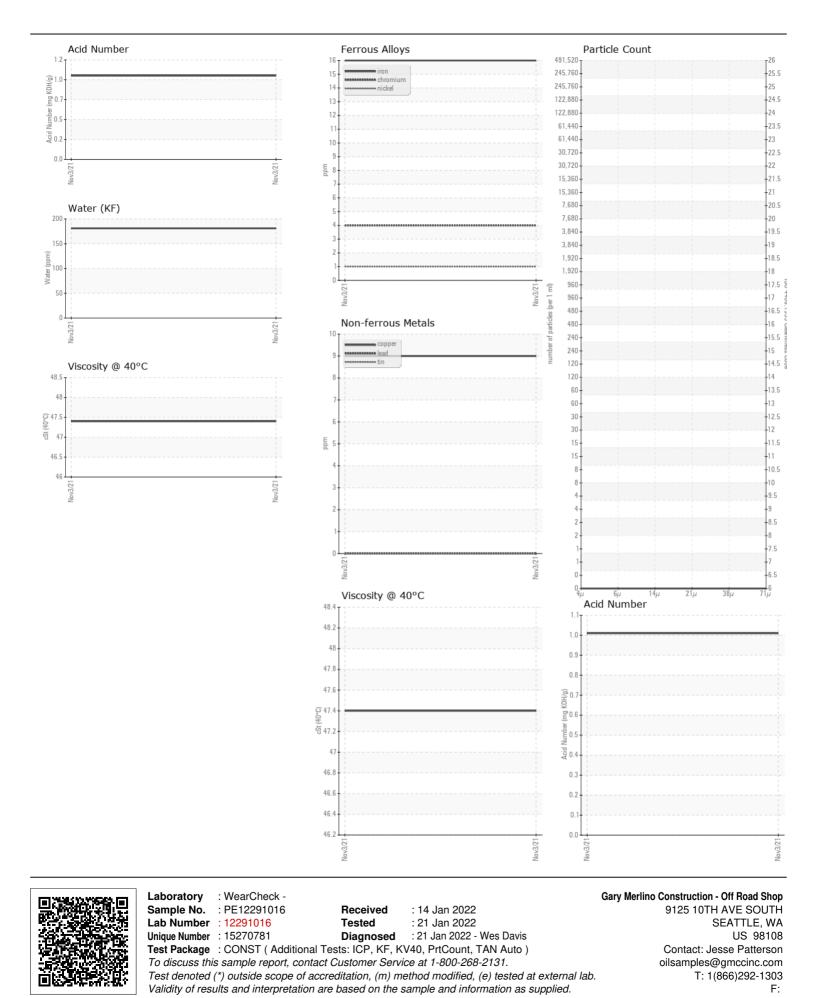
CONTAMINATION

The water content is negligible. There is no indication of any contamination in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		PE12291016		
	Sample Date		Client Info		03 Nov 2021		
	Machine Age	hrs	Client Info		11019		
	Oil Age	hrs	Client Info		11019		
	Oil Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
	Iron		ASTM D5185(m)		16		
	Iron	ppm			16		
	Chromium	ppm	ASTM D5185(m)		4		
	Nickel	ppm	ASTM D5185(m)		1		
	Titanium	ppm	ASTM D5185(m)		1		
	Silver	ppm	ASTM D5185(m)		<1		
	Aluminum	ppm	ASTM D5185(m)		2		
	Lead	ppm	ASTM D5185(m)		0		
	Copper	ppm	ASTM D5185(m)		9		
	Tin	ppm	ASTM D5185(m)		0		
	Vanadium	ppm	ASTM D5185(m)		0		
	Silicon	ppm	ASTM D5185(m)		4		
	Potassium	ppm	ASTM D5185(m)		0		
	ppm Water	ppm	ASTM D6304*		181		
	Oil Cleanliness		ISO 4406 (c)		17/15/11		
	•••••						
	Sodium	ppm	ASTM D5185(m)		0		
	Boron	ppm	ASTM D5185(m)		5		
	Barium	ppm	ASTM D5185(m)		0		
	Molybdenum	ppm	ASTM D5185(m)		0		
	Magnesium	ppm	ASTM D5185(m)		62		
	Calcium	ppm	ASTM D5185(m)		613		
	Phosphorus	ppm	ASTM D5185(m)		518		
	Zinc	ppm	ASTM D5185(m)		631		
	Acid Number (AN)	mg KOH/g	ASTM D974*		1.01		
	Visc @ 40°C	cSt	ASTM D7279(m)		47.4		



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Contact/Location: Off Road Shop - Jesse Patterson - GARSEA Page 2 of 2