

OIL ANALYSIS REPORT

Area {UNASSIGNED} [Comp 2 Bottom] Citgo Hydurance AW 32 Comp 1

Bottom Fluid

Fluid CITGO AW HYDRAULIC ISO 32 (1800 GAL)

DIAGNOSIS

Recommendation

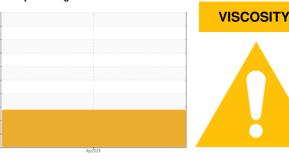
We advise that you filter this fluid before use. (Customer Sample Comment: Please rush same day analysis)

Contamination

There is a high amount of particulates present in the fluid.

Fluid Condition

Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type.



Sample Date Into Ip Apr 2024 Machine Age hrs Client Info 0 Dil Age hrs Client Info N/A Sample Status Image Image N/A CONTAMINATION method Imit/base current history1 history2 Water WC Method NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m 0 Nickel ppm ASTM D5185m 0 Ruminum ppm ASTM D5185m 0 Ruminum ppm ASTM D5185m 0 ASTM D5185m 0 Astm D5185m 0 Astm D5185m 0	SAMPLE INFORM		method	limit/base	current	history1	history2
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FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	1		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 20/19/16		
Acid Number (AN) mg KOH/g ASTM D8045 0.29	FLUID DEGRADA	TION	method	limit/base	current	history1	history2

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Sample Rating Trend



umber of particles (1 ml)

(B/HOX Bu) 0.18

Jag un 0.12 Pid 0.06 0.00 Apr19/24

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OIL ANALYSIS REPORT

	VISUAL		method	limit/base	current	history1	history2		
4µm	White Metal	scalar	*Visual	NONE	NONE				
14µm	Yellow Metal	scalar	*Visual	NONE	NONE				
Abnormal	Precipitate	scalar	*Visual	NONE	NONE				
	Silt	scalar	*Visual	NONE	NONE				
	Debris	scalar	*Visual	NONE	NONE				
	Sand/Dirt	scalar	*Visual	NONE	NONE				
	Appearance	scalar	*Visual	NORML	NORML				
Apr19/24	Odor	scalar	*Visual	NORML	NORML				
	Emulsified Water	scalar	*Visual	HOTHE	NEG				
Viscosity @ 100°C	Free Water	scalar	*Visual		NEG				
	FLUID PROPERT		method	limit/base	current	history1	history2		
Abnormal	Visc @ 40°C	cSt	ASTM D445	32.9	71.09				
Abnormal Base	Visc @ 100°C	cSt	ASTM D445	5.5	9.82				
Abnormal	Viscosity Index (VI)	Scale	ASTM D2270	102	119				
	SAMPLE IMAGES	S	method	limit/base	current	history1	history2		
Apr19/24									
<i>τ τ</i>	Oslav								
Viscosity @ 100°C	Color					no image	no image		
	Bottom					no image	no image		
Abnormal	20110111								
Base Abnormal									
9	GRAPHS								
- +2	Ferrous Alloys			401.5	A Particle Count		20		
v cr o 1 v	10 10 iron			491,52			T ²⁶		
ц. «	E 6 A			122,8	80 - Fauna		-24		
Viscosity @ 40°C	ä 4			30,72	20 -		-22		
	2				In the second of the		20.2		
	19/24			Apr19/24			-20 -18 -16		
	Apr1			s (per	20-		-18		
	Non-ferrous Metal	s		alticle 44	80-		-16 9		
Abnormal Base	10 J			d jo 1	20 -		-14		
Plase Abinomia O	8 copper			nmbe					
- + 7 					30-		12 5		
v cr o 1 v	2 -				8-		10		
	54+10			24	2				
Acid Number	Apr19/			Apr19/24			Y		
	✓ Viscosity @ 40°C			4		μ 21μ	38µ 71µ		
	⁸⁰ 1				Acid Number				
	~~~			(B/)(A) KOH/(A)	24				
	(40°C)			Ĕ 0.	8-				
	- Abnormal			.0 Press	2				
	20			2 0.0 					
				9/24			9/24 -		
	Apr19/2			Apr1	Apr19/24		Apr19/2.		
це 1 це.			y : WearCheck USA - 501 Madison Ave., Cary, NC 27513						
	: WearCheck USA - 50	1 Madisc	on Ave., Cary	, NC 27513			KIMBRO OIL COMPANY 2200 CLIFTON AVE		
Laboratory Sample No.	: KFS0005060	Rece	ived : 22	2 Apr 2024		2200	CLIFTON AVE		
Laboratory Sample No. Lab Number	: KFS0005060 : <mark>06156568</mark>	Rece Teste	ived : 22 ed : 22	2 Apr 2024 2 Apr 2024		2200	CLIFTON AVE ASHVILLE, TN		
Laboratory Sample No. Lab Number Unique Number	: KFS0005060 : <mark>06156568</mark> : 10991991	Rece Teste Diagr	ived : 22 ed : 22 nosed : 22	2 Apr 2024 2 Apr 2024 2 Apr 2024 - Do	oug Bogart	2200 N	CLIFTON AVE ASHVILLE, TN US 37203		
Laboratory Sample No. Lab Number Unique Number	: KFS0005060 : 06156568 : 10991991 : IND 2 ( Additional Tes	Rece Teste Diagr ts: KV10	ived : 22 d : 22 nosed : 22 0, PrtCount,	2 Apr 2024 2 Apr 2024 2 Apr 2024 - Do VI )	bug Bogart	2200 N Contact: Cl	CLIFTON AVE ASHVILLE, TN		

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