

Machine Id CAE CAE HPU - T050000885 (S/N NO INFO ON SIF/BOTTLE) Component Hydraulic System

SHELL TELLUS (--- GAL)

Recommendadia Test Work Gurrent History History History Sample Date Client Info 0 <th></th> <th></th> <th></th>			
Sample Number Client Into T0590088 Sample Date Client Into 0 Machine Age hrs Client Into 0 OI Age hrs Client Into 0 OI Age hrs Client Into 0 OI Changed Client Into NA OI Changed Client Into NA All component wear rates are normal. no no No NA Silver ppm ASTM D5856 -20 -1 All component wear rates are normal. no no No ASTM D5856 -20 1 Silver ppm ASTM D5856 -20 1 All component wear rates are normal. no no no Silver ppm	.imit/Abn Current	ent History1	History2
next service interval to monitor. Machine Age Name Ins Client Info O Ins Ins OI Age Hilter Age Hilter Age Ins Client Info O Ins Ins Ins OI Age Hilter Age Ins Client Info NA Ins Ins Ins Mither Enanged Client Info NA Ins Ins Ins Ins Mither Enanged Client Info NA Ins Ins<	TO50008	00885	
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Filter Age No. Proc. Disc. Option Proc.	0		
Oil Changed Cilent Info NA Filter Changed Cilent Info NA Sample Status Cilent Info NA WEAR Iron ppm ASTM D518m >20 -1 All component wear rates are normal. Iron ppm ASTM D518m >20 -1 Silver ppm ASTM D518m >20 -1 Silver ppm ASTM D518m >20 1 Aluminum ppm ASTM D518m >20 1 Copper ppm ASTM D518m >20 1 Vanadium ppm ASTM D518m >20 1 Vanadium ppm ASTM D518m >20 1 Vanadium ppm ASTM D518m >20 1	0		
Filter Changed Sample Status Client Info NA	0		
Filter Changed Samje Status Client Info NA	N/A		
Sample Status ABNORMA	N/A		
WEAR Iron ppm ASTM 0516m >20 <1 All component wear rates are normal. Iron ppm ASTM 0516m >20 <1	ABNORM	RMAL	
All component wear rates are normal. Chromium ppm ASTM D518m >20 <1		· <mark>-</mark>	
All component wear rates are normal. Chromium ppm ASTM D518m >20 <1	>20 <1		
Titanium ppm ASTM D5185n Col 1 Silver ppm ASTM D5185n >20 1 Aluminum ppm ASTM D5185n >20 1 Lead ppm ASTM D5185n >20 1 Copper ppm ASTM D5185n >20 1 Variadium ppm ASTM D5185n >20 1 Variadium ppm ASTM D5185n >20 1 Variadium ppm ASTM D5185n >15 22 CONTAMINATION Silicon ppm ASTM D5185n >15 22 Paticles >4µm ASTM D5185n >15 22 Paticles >4µm ASTM D7647 >30 0 10 <	>20 <1		
Titanium ppm ASTM D5185n Silver ppm ASTM D5185n <	>20 <1		
Aluminum ppm ASTM D318sm >20 2 Lead ppm ASTM D318sm >20 1 Cooper ppm ASTM D518sm >20 1 Tin ppm ASTM D518sm >20 1 Vanadium ppm ASTM D518sm >20 1 Vanadium ppm ASTM D518sm >20 1 Vanadium ppm ASTM D518sm >0 1 Elemental level of silicon (Si) above normal. The amount and size of particeles/4µm ASTM D584s >00 18 Particeles/4µm ASTM D544 >100 11 Particeles/4µm ASTM D7647 30 01 Particeles/2µm ASTM D7647 3 0 Particeles/2µm ASTM D7647 3	<1		
Aluminum ppm ASTM D5185m >20 1 Lead ppm ASTM D5185m >20 1 Copper ppm ASTM D5185m >20 1 Tin ppm ASTM D5185m >20 1 Vanadium pm ASTM D5185m >20 1 Vanadium ppm ASTM D5185m >20 1 Vanadium ppm ASTM D5185m >20 1	<1		
Lead ppm ASTM D386m >20 1 Coopper ppm ASTM D386m >20 1 Tin ppm ASTM D586m >20 1 Vanadium ppm ASTM D586m <	>20 2		
Copper ppm ASTM D5165m >20 1 Tin ppm ASTM D5165m >20 <1			
Tin ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m <1	-		
Vanadium ppm ASTM D5185m <1 White Metal Vellow Metal scalar 'Visual NONE CONTAMINATION Silicon ppm ASTM D5185m >15 ▲ 22 Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable. Silicon ppm ASTM D5185m >0.05 0.002 Particles >4µm ASTM D6304 >.0.05 0.002 Particles >4µm ASTM D7647 >1300 701 Particles >4µm ASTM D7647 >30 0 Particles >4µm ASTM D7647 >3 0 Particles >4µm ASTM D7647 >3 0 Particles >4µm ASTM D7647 >3 0 Debris scal			
White Metal scalar *Visual NONE NONE CONTAMINATION Silicon ppm ASTM D5185m >15 ▲ 22 Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable. Silicon ppm ASTM D5185m >1 Paticles >4µm ASTM D7647 >100 0.002 Particles >6µm ASTM D7647 >300 701 Particles >6µm ASTM D7647 >300 701 Particles >6µm ASTM D7647 >30 701 Particles >6µm ASTM D7647 >30 0 Particles >7µm ASTM D7647 >3 0 Particles >7µm ASTM D7647 >3 0 Sitt scalar "Visual			
Vellow Metal scalar *Visual NONE NONE CONTAMINATION Silicon (Si) above normal. The amount and size of particulates present in the system are acceptable. Silicon pm ASTM D5185m >20 1 Water % ASTM D5185m >20 1 Water % ASTM D5185m >20 18 Particles >4µm ASTM D7647 >3100 701 Particles >6µm ASTM D7647 >300 701 Particles >21µm ASTM D7647 >30 0 Particles >38µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >17/15/11 Silt scalar *Visual NONE NONE NONE			
Solution Silicon ppm ASTM D5185m >15 A 22 Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable. Potassium ppm ASTM D5185m >20 1 Water % ASTM D6304 >0.05 0.002 Particulates present in the system are acceptable. ppm Water % ASTM D6304 >500 18 Particles >4µm ASTM D7647 >300 10 Particles >14µm ASTM D7647 >30 Particles >21µm ASTM D7647 >3 0 Silt scalar *Visual NONE NONE	-	-	
Potassium pm ASTM D1815m >20 1 Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable. Water % ASTM D6304 >0.05 0.002 Water % ASTM D6304 >500 18 particulates present in the system are acceptable. pm Water pm Water ASTM D7647 >1300 701 Particles >4µm ASTM D7647 >320 176 Particles >5µm ASTM D7647 >30 0 Particles >2µm ASTM D7647 >3 0 Particles >2µm ASTM D7647 >3 0 Particles >14µm ASTM D7647 >3 0 Particles >14µm ASTM D7647 >3 0 Silt scalar *Visual NONE NORE <t< td=""><th></th><th></th><td></td></t<>			
Potassium ppm ASTM D585m >20 1 Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable. Water % ASTM D6304 >0.05 0.002 Water % ASTM D6304 >500 18 particulates present in the system are acceptable. pm Water % ASTM D7647 >1300 701 Particles >4µm ASTM D7647 >320 176 Particles >6µm ASTM D7647 >30 0 Particles >2µm ASTM D7647 >3 0 Particles >14µm ASTM D7647 >3 0 Particles >14µm ASTM D7647 >3 0 Particles >14µm ASTM D7647 >3 0 Silt scalar *Visual NONE NONE	15 4 22		
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Particles >4µm ASTM D7647 >3200 701 Particles >6µm ASTM D7647 >320 176 Particles >6µm ASTM D7647 >320 112 Particles >3µm ASTM D7647 >40 12 Particles >3µm ASTM D7647 >30 Particles >38µm ASTM D7647 >3 0 Particles >38µm Scalar *Usual NONE NONE OI Cleantiness ISO 4406 (c) >17/51/1 17/51/1 Sand/Dirt scalar *Usual NONE NONE Sodium ppm ASTM D5185m 0 0			
Particles >6µm ASTM D7647 >320 176 Particles >14µm ASTM D7647 >40 12 Particles >14µm ASTM D7647 >10 3 Particles >21µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) 17/15/12 17/15/11 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Appearance scalar *Visual NORM NORM Odor scalar *Visual NORM NORM The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.<			
Particles >14µm ASTM D7647 >40 12 Particles >21µm ASTM D7647 >10 3 Particles >21µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 OII Cleanliness ISO 4406 (c) >17/15/11 OII Cleanliness Scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Appearance scalar *Visual NONE NONE Odor scalar *Visual NORM NORM Cdor scalar *Visual NORM NORM The AN level is acceptable for this fluid. The condition of the oil is suitable for further service. Sodium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 1 <tr< td=""><th></th><th></th><td></td></tr<>			
Particles >21µm ASTM D7647 >10 3 Particles >38µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) 17/15/12 17/15/11 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORM NORML Appearance scalar *Visual NORM NORML Appearance scalar *Visual NORM NORML The AN level is acceptable for this fluid. The condition of the oil is suitable for further service. <			
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Particles >71µm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >17/15/12 17/15/11 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORM NORM Odor scalar *Visual NORM NORM Odor scalar *Visual NORM NORM Sodium scalar *Visual NORM Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m <1			
Oil CleanlinessISO 4406 (c)17/15/1217/15/11Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMNORMLOdorscalar*VisualNORMNORMLOdorscalar*VisualNORMNORMLOdorscalar*VisualNORMNORMLBoronppmASTM D5185m0BariumppmASTM D5185m<1			
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Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*VisualNORMLNORMLFLUID CONDITIONSodiumppmASTM D5185m0BoronppmASTM D5185m0BariumppmASTM D5185m<1	-		
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Odor scalar *Visual NORML Emulsified Water scalar *Visual >0.05 NEG FLUID CONDITION Sodium ppm ASTM D5185m 0 Boron ppm ASTM D5185m 0 Boron ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m <1			
Emulsified Water scalar *Visual >0.05 NEG FLUID CONDITION Sodium ppm ASTM D5185m 0 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m <1			
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Suitable for further service. Molybdenum ppm ASTM D5185m <1	0		
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 88 Calcium ppm ASTM D5185m 128 Phosphorus ppm ASTM D5185m 311	<1		
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 88 Calcium ppm ASTM D5185m 128 Phosphorus ppm ASTM D5185m 311	<1		
Magnesium ppm ASTM D5185m 88 Calcium ppm ASTM D5185m 128 Phosphorus ppm ASTM D5185m 311			
Calcium ppm ASTM D5185m 128 Phosphorus ppm ASTM D5185m 311			
Phosphorus ppm ASTM D5185m 311			
Sulfur ppm ASTM D5185m 1813			
Acid Number (AN) mg KOH/g ASTM D8045 0.30			
Visc@40°C cSt ASTM D445		44	44.9

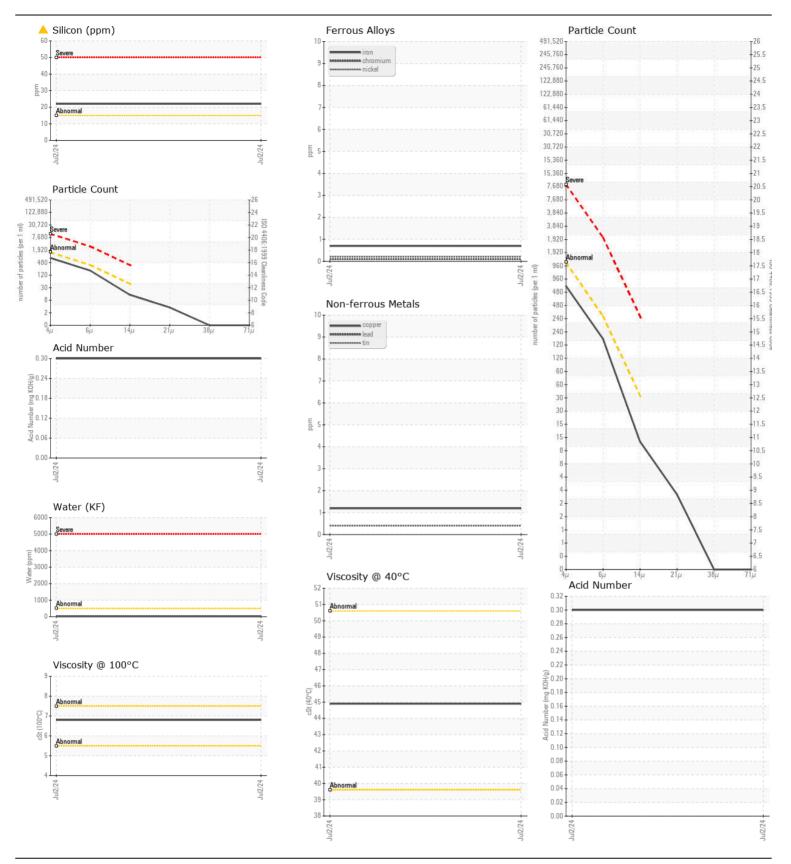
Visc @ 100°C cSt

Viscosity Index (VI) Scale ASTM D2270

ASTM D445

6.8

105



AVENGER FLIGHT GROUP Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : TO50000885 2800 VALLEY VIEW LANE SUITE 180 Received : 09 Jul 2024 je, : 06231490 Lab Number IRVING, TX Tested : 10 Jul 2024 : 11 Jul 2024 - Jonathan Hester US 75062 Unique Number : 11114983 Diagnosed Test Package : IND 2 (Additional Tests: KF, KV100, VI) Contact: JOEY BLANKENSHIP Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. joeyblankenship@afgsim.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: JOEY BLANKENSHIP - AVEIRV Page 2 of 2